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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C

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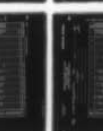
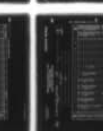
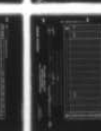
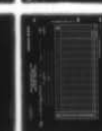
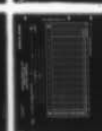
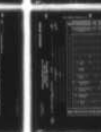
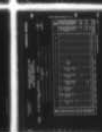
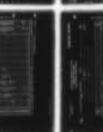
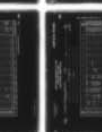
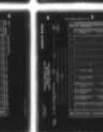
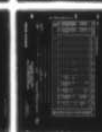
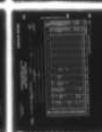
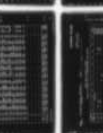
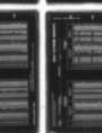
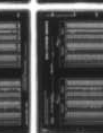
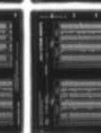
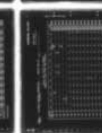
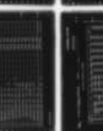
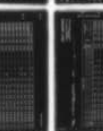
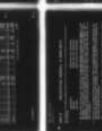
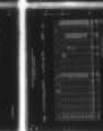
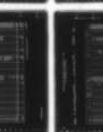
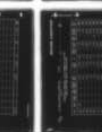
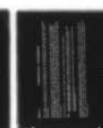
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), MCMURDO--ETC(U)

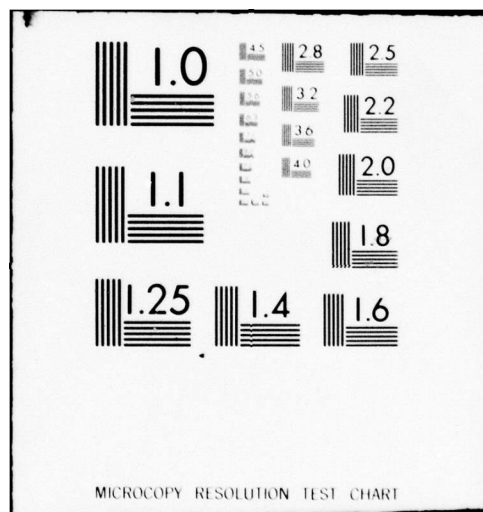
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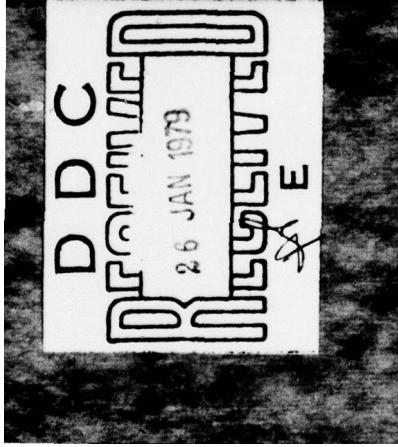
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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM																		
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER																		
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) McMurdo Station, Antarctica		5. TYPE OF REPORT & PERIOD COVERED Reference report 1956-1977																		
7. AUTHOR(s) N/A		6. PERFORMING ORG. REPORT NUMBER																		
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Weather Service Detachment Federal Building Asheville, N. C. 28001		8. CONTRACT OR GRANT NUMBER(s)																		
11. CONTROLLING OFFICE NAME AND ADDRESS Director, Naval Oceanography and Meteorology National Space Technology Laboratories NSTL Station, MS 39529		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS																		
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE July 1978																		
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		15. SECURITY CLASS. (of this report) Unclassified																		
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE																		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		<table border="1"> <tr> <td colspan="2">ACCESSION for</td> </tr> <tr> <td>NTIS</td> <td>White Section <input checked="" type="checkbox"/></td> </tr> <tr> <td>DDC</td> <td>Buff Section <input type="checkbox"/></td> </tr> <tr> <td>UNANNOUNCED</td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="2">JUSTIFICATION</td> </tr> <tr> <td colspan="2">BY</td> </tr> <tr> <td colspan="2">DISTRIBUTION/AVAILABILITY CODES</td> </tr> <tr> <td colspan="2">Dist. STATE, INDIC. OR SPECIAL</td> </tr> <tr> <td colspan="2">A</td> </tr> </table>	ACCESSION for		NTIS	White Section <input checked="" type="checkbox"/>	DDC	Buff Section <input type="checkbox"/>	UNANNOUNCED	<input type="checkbox"/>	JUSTIFICATION		BY		DISTRIBUTION/AVAILABILITY CODES		Dist. STATE, INDIC. OR SPECIAL		A	
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18. SUPPLEMENTARY NOTES																				
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, McMurdo Station, Antarctica.																				
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/ Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure																				

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO. ON SUMMARY:	STATION NAME	LONGITUDE	STATION ELEV. (FT)	CALL SIGN	WMO NUMBER
87601	McMurdo, Antarctica	77°51'S	166°39'E	NZCM	89664

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather office	Navy	1956	1964	77°51'S	166°39'E	80		
2.	Resurveyed	"	1964	1965	"	"	84.33	Mercurial	
3.	Meteorology building 51	"	1965	1972	"	"	"	"	
4.	Admin/Ops building 165	"	1972		"	"	109.0	"	
1a.	GMD space adjacent to weather off.	"	1964	1965	"	"	84	Aneroid	
2a.	Meteorology building 51	"	1965	1971	"	"	85	"	
3a.	Admin/Ops building 165	"	1971		"	"	109.1	"	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	MT ABOVE GROUND	
1.	Prior to 1957	80'S of aerological office			15'	1. Barograph
2.	1958	20 meters S of aerological office			5 meters	2. Theodolite (ML 247)
3.	1959	Adjacent to aerological office			22 "	3. Speedomax (H Leeds/Northrup)
4.	1960	Replaced UMQ-5C	UMQ-5C	RD-108B	" "	4. Radiosonde (GMD-1B)
5.	1972	NW Corner admin/ops bldg. 165	UMQ-5D UMQ-5C	RD-108D	39'	

NWSD, Federal Building
Asheville, N C

79 01 19 1982

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET ltr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
 - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
 - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
 - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
 - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWS), Asheville, N. C. welcomes your comment and criticisms.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1968

0000

0000

JAN
MONTH

73-77
YEARS

MC MURDO STATION, ANTARCTICA
STATION NAME

87601
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00				12.9		12.9	2.6		1.3		3.9	155
	03				13.5		13.5	3.9		.6		4.5	155
	06				14.8		14.8	4.5		.6		5.2	155
	09				14.8		14.8	1.9		.6		2.6	155
	12				16.1		16.1	1.3		1.3		2.6	155
	15				11.6		11.6	1.3		1.3		2.6	155
	18				9.0		9.0	1.3		1.9		3.2	155
	21				11.0		11.0	1.9		1.3		3.2	155
TOTALS					13.0		13.0	2.3		1.1		3.5	1240

WEATHER CONDITIONS

FEB
MONTH73-76
YEARSMC MURDO STATION, ANTARCTICA
STATION NAME87601
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00				16.1		16.1			.9		.9	112
	03				19.2		19.2	1.3		2.6		3.8	78
	06				16.8		16.8	.9		.9		1.8	113
	09				20.8		20.8			2.6		2.6	77
	12				21.2		21.2			4.4		4.4	113
	15				20.8		20.8			3.9		3.9	77
	18				19.5		19.5			2.7		2.7	113
	21				18.2		18.2			5.2		5.2	77
TOTALS					19.1		19.1	.3		2.9		3.2	760

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1988

MAR

73-76

MC MURDO STATION, ANTARCTICA

87601

MONTH

YEARS

STATION NAME

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00				10.5		10.5	4.0		12.9		16.1	124
	03												
	06				11.3		11.3	2.4		15.3		16.9	124
	09												
	12				12.9		12.9	4.8		12.1		15.3	124
	15												
	18				14.5		14.5	6.5		11.3		16.1	124
	21												
TOTALS					12.3		12.3	4.4		12.9		16.1	496

WEATHER CONDITIONS

APR
MONTH

73-76

MC MURDO STATION, ANTARCTICA

87601

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00				7.5		7.5	3.3		5.0		8.3	120
	03												
	06				8.3		8.3	.8		12.5		12.5	120
	09												
	12				10.0		10.0	8.3		8.3		15.0	120
	15												
	18				8.3		8.3	4.2		5.0		9.2	120
	21												
TOTALS					8.5		8.5	4.2		7.7		11.3	480

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

87601 STATION MC MURDO STATION, ANTARCTICA 73-76 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00				11.3		11.3			17.7		17.7	124
	03												1
	06				12.9		12.9	.8		21.0		21.8	124
	09												1
	12				19.4		19.4			15.3		15.3	124
	15												1
	18				16.9		16.9			19.4	.8	20.2	124
	21												1
TOTALS					7.6		7.6	.1		9.2	.1	9.4	500

NAVWEASERVCOM

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5708% FREQ. WIND DIR. VS WEATHER N 68

WEATHER CONDITIONS

87601 MC MURDO STATION, ANTARCTICA 73-76 JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00				15.1		15.1	.8		21.8		22.7	119
	03												
	06				10.1		10.1			19.3		19.3	119
	09												
	12				12.5		12.5			20.8		20.8	120
	15												
	18				16.0		16.0	3.4		21.0		23.5	119
	21												
TOTALS					13.4		13.4	1.1		20.7		21.6	477

NAVWEASERVCOM

WEATHER CONDITIONS

87601

MC MURDO STATION, ANTARCTICA

73-76

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00				17.7		17.7			18.5		18.5	124
	03												
	06				14.5		14.5	.8		21.8		22.6	124
	09												
	12				12.1		12.1			18.5		18.5	124
	15												
	18				16.1		16.1			14.5		14.5	124
	21												
TOTALS					15.1		15.1	.2		18.3		18.5	496

NAVWEASERVCOM

WEATHER CONDITIONS

AUG
MONTH73-76
YEARSMC MURDO STATION, ANTARCTICA
STATION NAME87601
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00				13.7		13.7	.8		16.1		16.1	124
	03				16.7		16.7			16.7		16.7	6
	06				13.0		13.0	.8		17.1		17.9	123
	09				10.0		10.0			10.0		10.0	10
	12				8.9		8.9	.8	.8	7.3		8.9	124
	15									8.3		8.3	12
	18				8.9		8.9	4.0		15.3		18.5	124
	21				8.3		8.3	8.3		8.3		16.7	12
TOTALS					9.9		9.9	1.8	.1	12.4		14.1	535

WEATHER CONDITIONS

SEP
MONTH73-76
YEARSMC MURDO STATION, ANTARCTICA
STATION NAME87601
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
SEP	00				11.7		11.7	1.7		15.8		17.5	120
	03				9.9		9.9	2.8	1.4	12.7		16.9	71
	06				10.8		10.8	2.5	1.7	17.5		21.7	120
	09				9.5		9.5	1.4		14.9		14.9	74
	12				9.2		9.2	2.5		14.2		16.7	120
	15				5.6		5.6	5.6		8.3		13.9	72
	18				15.8		15.8	2.5		14.2		15.8	120
	21				8.2		8.2	2.7		13.7		16.4	73
TOTALS					10.1		10.1	2.7	.4	13.9		16.7	770

WEATHER CONDITIONS

87601

MC MURDO STATION, ANTARCTICA

73-76

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00				11.3		11.3			12.1		12.1	124
	03				10.4		10.4			11.3		11.3	115
	06				12.1		12.1	2.4		18.5		20.2	124
	09				10.3		10.3	.9		12.1		12.9	116
	12				9.7		9.7	2.4		11.3		12.9	124
	15				12.1		12.1	.9		12.1		12.9	116
	18				11.3		11.3			11.3		11.3	124
	21				9.5		9.5			13.8		13.8	116
TOTALS					10.8		10.8	.8		12.8		13.4	959

WEATHER CONDITIONS

NOV MONTH

73-76 YEARS

MC MURDO STATION, ANTARCTICA STATION NAME

87601 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00				10.0		10.0			4.2		4.2	120
	03				11.8		11.8			5.9		5.9	119
	06				7.5		7.5	1.7		5.0		6.7	120
	09				11.7		11.7	.8		3.3		4.2	120
	12				10.0		10.0			4.2		4.2	120
	15				8.3		8.3			2.5		2.5	120
	18				10.8		10.8			4.2		4.2	120
	21				12.5		12.5			4.2		4.2	120
TOTALS					10.3		10.3	.3		4.2		4.5	959

WEATHER CONDITIONS

87601

MC MURDO STATION, ANTARCTICA

73-76

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00				13.7		13.7	.8		.8		1.6	124
	03				12.2		12.2	2.4		.8		3.3	123
	06				12.9		12.9	1.6				1.6	124
	09				15.4		15.4	.8		.8		1.6	123
	12				13.7		13.7			1.6		1.6	124
	15				14.6		14.6			.8		.8	123
	18				10.5		10.5	.8		1.6		2.4	124
	21				9.8		9.8			.8		.8	122
TOTALS					12.9		12.9	.8		.9		1.7	987

WEATHER CONDITIONS

ALL
MONTH

73-77

MC MURDO STATION, ANTARCTICA

87601

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL				13.0		13.0	2.3		1.1		3.5	1240
FEB					19.1		19.1	.3		2.9		3.2	760
MAR					12.3		12.3	4.4		12.9		16.1	496
APR					8.5		8.5	4.2		7.7		11.3	480
MAY					7.6		7.6	.1		9.2	.1	9.4	500
JUN					13.4		13.4	1.1		20.7		21.6	477
JUL					15.1		15.1	.2		18.3		18.5	496
AUG					9.9		9.9	1.8	.1	12.4		14.1	535
SEP					10.1		10.1	2.7	.4	13.9		16.7	770
OCT					10.8		10.8	.8		12.8		13.4	959
NOV					10.3		10.3	.3		4.2		4.5	959
DEC					12.9		12.9	.8		.9		1.7	987
TOTALS					11.9		11.9	1.6	.0	9.7	.0	11.2	8659

WEATHER CONDITIONS ATMOSPHERIC PHENOMENA

5701 WEATHER CONDITIONS JAN 68

STATION 87601 MC MURDO STATION, ANTARCTICA 56-77 YEARS MONTH ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY				39.9		39.9	8.4		5.2		12.9	651
FEB					58.8		58.8	5.8	.4	16.8		20.9	565
MAR					55.4		55.4	16.5		37.6		45.1	641
APR					53.3		53.3	14.8		46.7		53.0	630
MAY					50.5		50.5	8.7	.5	49.4		54.2	620
JUN					54.1		54.1	7.6	.3	56.9		60.5	608
JUL					51.6		51.6	8.3	.5	49.9		54.5	651
AUG					53.2		53.2	13.2	.6	47.5		54.9	650
SEP					50.5		50.5	14.8		46.8		53.8	628
OCT					49.6		49.6	12.9	.5	36.4		42.4	651
NOV					43.7		43.7	4.4	.2	16.7		19.8	630
DEC					44.5		44.5	6.9	.8	7.5		14.6	651
TOTALS					50.4		50.4	10.2	.3	34.8		40.5	7576

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

JAN 1973 - DEC 1976
YEARS

JANUARY
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N						2.4			1.2					96.4
NNE						11.1								88.9
NE						9.0								93.0
ENE					.7	9.3			1.3					89.3
E					.5	12.3			2.1	.3		.3		85.5
ESE						23.1			2.0			1.4		73.5
SE						26.0								74.0
SSE						42.9			4.8			4.8		57.1
S						48.7			12.8			20.5		51.3
SSW						30.0			25.0			20.0		70.0
SW									20.0					75.0
WSW									11.1					80.0
W									6.9					88.9
WNW						3.4			2.6					89.7
NW						4.2								97.4
NNW														95.8
VARIABLE														92.2
CALM														
TOTAL						158			28	1		14		1058
% TOTAL					.2	12.7			2.3	.1		1.1		85.3

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 87601 MC MURDO STATION, ANTARCTICA JAN 1973 - DEC 1976 MONTH FEBRUARY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE " CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N						8.0								92.0
NNE						14.3						7.1		85.7
NE						13.5								86.5
ENE						22.5						2.5		77.5
E					.4	18.4				.4		2.4		79.6
ESE						22.9				1.0		2.1		75.0
SE						28.0						6.0		70.0
SSE						20.7						13.8		72.4
S						25.0						6.3		70.8
SSW						25.0								75.0
SW														100.0
WSW														100.0
W														100.0
WNW														100.0
NW						8.3								91.7
NNW														100.0
VARIABLE														88.2
CALM						11.8								88.2
TOTAL					1	141				2		21		603
% TOTAL					.1	18.7				.3		2.8		79.9

TOTAL NUMBER OF OBSERVATIONS 755

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 87601 MC MURDO STATION, ANTARCTICA JAN 1973 - DEC 1976 MONTH MARCH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	"SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N						8.3								91.7
NNE														100.0
NE										6.7		6.7		86.7
ENE						10.6				6.4		19.1		74.5
E						11.0			.9	5.9		16.0		74.9
ESE						13.8				2.3		5.9		80.5
SE						16.5						3.7		81.5
SSE						22.2				8.3		27.8		66.7
S						25.0						33.3		66.7
SSW						12.5						25.0		62.5
SW														100.0
WSW												16.7		83.3
W														100.0
WNW														100.0
NW														100.0
NNW														100.0
VARIABLE														
CALM						23.1								76.9
TOTAL						61			2	20		64		384
% TOTAL						12.3			.4	4.0		12.9		77.4

TOTAL NUMBER OF OBSERVATIONS 496

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 87601 STATION NAME MC MURDO STATION, ANTARCTICA JAN 1973 - DEC 1976 MONTH APRIL ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N						3.7								96.3
NNE														100.0
NE						5.9								94.1
ENE					1.7	6.7			1.7	5.0		11.7		78.3
E						5.2				3.3		9.8		83.7
ESE						9.1				1.8		12.7		78.2
SE						21.1				5.3		15.8		68.4
SSE						18.8						18.8		62.5
S						9.1				9.1		9.1		81.8
SSW														100.0
SW						33.3								66.7
WSW														100.0
W														100.0
WNW														100.0
NW						25.0				25.0				50.0
NNW										10.0				90.0
VARIABLE														
CALM						1.3				4.7				88.3
TOTAL					2	39			1	19		37		397
% TOTAL					.4	8.1			.2	4.0		7.7		82.7

TOTAL NUMBER OF OBSERVATIONS 480

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION NAME MC MURDO STATION, ANTARCTICA JAN 1973 - DEC 1976 MONTH MAY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS " FELLERS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N						10.8						6.3		75.0
NNE														100.0
NE						25.0						15.0		70.0
ENE						6.6						10.3		84.2
E						11.9						21.6		72.2
ESE						22.9						20.0		65.7
SE						31.3						43.8	6.3	31.3
SSE						33.3						61.1		38.9
S						25.0			6.3			62.3		25.0
SSW						33.3						66.7		33.3
SW														100.0
WSW														100.0
W														50.0
WNW						50.0								100.0
NW														85.7
NNW					14.3									
VARIABLE														
CALM														
TOTAL					1	74			1			91	1	361
% TOTAL					.2	14.8			.2			10.2	.2	72.2

TOTAL NUMBER OF OBSERVATIONS 500

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME MC MURDO STATION, ANTARCTICA STATION A7601 YEARS JAN 1973 - DEC 1976 MONTH JUNE ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N						7.7								92.3
NNE														100.0
NE						16.7								83.3
ENE						9.5						23.8		66.7
E						15.2				2.8		22.8		69.7
ESE						8.7				1.4		11.6		84.1
SE						13.9						20.5		75.0
SSE						6.7						26.7		73.3
S						51.7						69.7		10.3
SSW						80.0						100.0		
SW														100.0
WSW														
W														
WNW														100.0
NW														100.0
NNW														
VARIABLE														98.7
CALM						1.3								
TOTAL						64				5		99		354
% TOTAL						13.4				1.0		20.8		74.2

TOTAL NUMBER OF OBSERVATIONS 477

NAVWEASERYCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

87601 MC MURDO STATION, ANTARCTICA JAN 1973 - DEC 1976 JULY ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N						6.3				5.9		11.8		93.8
NNE														82.4
NE						12.5								87.5
ENE						18.5						22.2		74.1
E						19.1						21.4		72.5
ESE						11.8						8.2		82.4
SE						13.4						7.7		82.1
SSE						18.4						34.2		63.8
S						24.2						48.3		43.3
SSW						30.8						75.9		23.1
SW						66.7						66.7		33.3
WSW														
W						100.0						100.0		66.7
WNW												33.3		100.0
NW														
NNW						14.3						14.3		71.6
VARIABLE														
CALM						6.1								85.9
TOTAL						75				1		91		375
% TOTAL						15.1				.2		18.3		75.6

TOTAL NUMBER OF OBSERVATIONS 496

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 87601 MC MURDO STATION, ANTARCTICA JAN 1973 - DEC 1976 MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N						10.0								90.0
NNE					8.3									91.7
NE												5.6		94.4
ENE						7.8				2.0		11.8		86.3
E						0.1				1.1		11.8		84.4
ESE						16.7				2.1		18.8		77.1
SE						16.0				4.0	4.0	24.0		68.0
SSE						25.0				5.0		40.6		53.1
S						25.0				11.1		60.0		40.0
SSW						44.4						44.4		44.4
SW														100.0
WSW														100.0
W														100.0
WNW						20.0								80.0
NW					16.7									83.3
NNW														100.0
VARIABLE														
CALM					1.3	1.9				2.6				92.2
TOTAL					3	55				9	1	73		434
% TOTAL					.6	10.3				1.7	.2	13.7		81.3

TOTAL NUMBER OF OBSERVATIONS 534

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

87601 MC MURDO STATION, ANTARCTICA JAN 1973 - DEC 1976 SEPTEMBER ALL
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE						5.3								94.7
NE						7.1						1.6		92.9
ENE						7.3				1.2		15.9		82.9
E						9.7				2.6	1.0	17.4		73.3
ESE					1.6	8.7				4.8		15.4		77.9
SE						29.3				4.9		26.8		48.8
SSE						27.9						34.9		53.5
S						30.8				7.7		50.0		38.5
SSW						22.2						33.3		55.6
SW												50.0		50.0
WSW														100.0
W														100.0
WNW						25.0						25.0		50.0
NW						11.1						5.6		83.3
NNW														
VARIABLE														
CALM						2.6				1.3				94.1
TOTAL						78				20	2	110		601
% TOTAL						10.1				2.6	.3	14.3		78.1

TOTAL NUMBER OF OBSERVATIONS 770

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 87601 MC MURDO STATION, ANTARCTICA JAN 1973 - DEC 1976 MONTH OCTOBER ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N						9.6								90.2
NNE						5.3			5.3					89.5
NE						3.7			3.7					92.6
ENE						7.1						14.3		82.1
E						10.0				.9		11.3		81.9
ESE						17.1				.7		19.3		75.0
SE						17.9						14.3		78.6
SSE						7.4				3.7		25.9		68.5
S						16.6						39.0		57.6
SSW						16.7						44.4		50.0
SW						50.0						50.0		50.0
WSW						12.5						25.0		75.0
W						16.7						6.3		83.3
WNW						22.2						11.1		77.8
NW						16.7						6.3		83.3
NNW														100.0
VARIABLE														
CALM						3.0								96.6
TOTAL						100			2	6		123		779
% TOTAL						10.4			.2	.6		12.6		81.2

TOTAL NUMBER OF OBSERVATIONS 959

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 87601 MC MURDO STATION, ANTARCTICA JAN 1973 - DEC 1976 MONTH NOVEMBER ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N						9.1								90.9
NNE														100.0
NE						6.3								93.3
ENE						9.7						3.2		90.3
E						10.3			0.8			1.2		88.9
ESE						13.5			1.1			3.4		83.1
SE						10.0						7.5		87.5
SSE						16.7						16.7		72.2
S						27.3						36.4		51.5
SSW						7.7						23.1		76.9
SW														100.0
WSW						42.9						23.6		57.1
W						7.7						7.7		92.3
WNW						5.0								95.0
NW						2.5								97.5
NNW						11.1								88.9
VARIABLE														
CALM						8.3								91.7
TOTAL						99			3			40		836
% TOTAL						10.4			0.3			4.2		87.4

TOTAL NUMBER OF OBSERVATIONS 956

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION **87601** **MC MURDO STATION, ANTARCTICA** STATION NAME **JAN 1973 - DEC 1976** YEARS **DECEMBER** MONTH **ALL** HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N						4.3			1.7					94.8
NNE														100.0
NE						13.8								84.2
ENE						15.3								84.7
E						13.7						.7		86.3
ESE						19.5			.9			.9		80.5
SE						24.1						3.4		72.4
SSE						23.5						2.9		76.5
S						25.0						25.0		68.8
SSW														100.0
SW						14.3								85.7
WSW						14.3								85.7
W						7.4			3.7					88.9
WNW						23.1			3.8					76.9
NW						13.9								86.1
NNW						6.2			1.3	1.3				90.8
VARIABLE														
CALM						4.7			1.2					94.2
TOTAL						127			7	1		9		851
% TOTAL						12.9			.7	.1		.9		86.6

TOTAL NUMBER OF OBSERVATIONS **985**

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 87601 MC MURDO STATION, ANTARCTICA JAN 1973 - DEC 1976 ALL MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N						6.0			.6			.2		93.4
NNE					.7	3.6			.7			2.2		92.8
NE						8.8			.4			2.2		89.3
ENE					.2	11.1			.3			8.1		82.9
E					.1	12.1			.5	1.3	.1	9.4		80.6
ESE					.2	16.1			.5	1.1		8.9		77.9
SE						20.9			.9		.2	12.6	.2	72.0
SSE						20.2			.3			25.1		64.9
S						26.6			1.8	1.8		40.1		50.2
SSW						24.3			1.0	1.0		37.9		53.3
SW						16.1			3.2			16.1		74.2
WSW						13.5			2.7			10.8		81.1
W						8.2			3.5			5.9		87.1
WNW						10.7			2.7			1.8		86.6
NW					.6	6.6			.6			1.2		91.0
NNW					.3	6.0			.3			.7		92.0
VARIABLE														
CALM					.5	6.6			1.2	1.2				92.2
TOTAL					17	1071			44	84	3	772	1	7033
% TOTAL					.2	12.4			.5	1.0	.0	8.9	.0	81.3

TOTAL NUMBER OF OBSERVATIONS 8,648

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

87601 STATION MC MURDO STATION, ANTARCTICA 56-77 YEARS

PRECIP. SNOWFALL SNOW- DEPTH	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
JAN	60.1	28.3	3.8	3.6	1.2	.9	.5	.5	.5	.5				11.7	651	7.2	28.2	TRACE
FEB	41.6	38.6	8.5	3.7	3.0	1.4	1.1	1.2	.4	.2	.4			19.8	565	10.6	54.2	TRACE
MAR	44.5	40.9	6.5	4.2	1.5	.8	.8	.3	.3					14.6	589	5.5	23.7	TRACE
APR	46.3	32.5	9.3	8.2	1.9	1.1	.7							21.2	570	5.4	15.6	TRACE
MAY	49.8	30.1	8.2	7.9	3.0	.2	.2		.5					20.1	558	6.1	22.0	TRACE
JUN	45.3	31.1	10.9	8.1	2.3	.5	.7	.4	.7	.2				23.7	570	8.4	52.8	TRACE
JUL	48.5	29.0	11.2	7.4	1.7	1.5	.5		.2					22.4	651	5.7	26.8	TRACE
AUG	46.6	30.6	10.8	8.4	2.4	.3	.2	.6						22.7	620	5.7	28.7	TRACE
SEP	48.2	32.2	10.2	7.2	1.0	.7	.5		.2					19.7	600	4.6	13.8	TRACE
OCT	50.4	33.5	6.9	5.7	1.2	.8	.5	.3	.5	.2		.2		16.1	651	7.3	45.9	TRACE
NOV	56.2	31.6	4.0	4.6	1.3	1.1	.2	1.0	.2					12.2	630	5.2	20.6	TRACE
DEC	55.5	31.6	5.2	3.1	2.5	1.1	.3	.6	.2					12.9	651	5.3	30.0	TRACE
ANNUAL	49.4	32.5	8.0	6.0	1.9	.9	.5	.4	.3	.1	.0	.0		18.1	7306	77.0		

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

87601 MC MURDO STATION, ANTARCTICA 56-67

STATION NAME

YEARS

AMOUNTS (INCHES)																TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)			
PRECIP. SNOWFALL SNOW- DEPTH	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.1-100.0	10.01-20.00	OVER 20.00		PERCENT OF DAYS WITH MEASUR- ABLE AMTS			
																		MEAN	GREATEST	LEAST
JAN	64.8	31.4	2.6	.6	.3		.3										3.8	341		
FEB	44.0	43.6	7.1	1.4	2.1	1.8											12.4	282		
MAR	25.5	63.5	7.4	2.6	.3	.6											11.0	310		
APR	9.7	60.6	19.7	4.5	.9	4.2	.3										29.7	330		
MAY	7.6	44.6	31.7	7.6	7.9	.6											47.8	341		
JUN	4.7	47.3	22.3	12.7	4.3	8.0	.3	.3									48.0	300		
JUL	.6	53.9	20.6	4.8	5.2	9.4	5.5										45.5	310		
AUG	.3	51.9	19.9	14.4	2.1	2.3	9.1										47.8	341		
SEP	.3	55.0	26.3	6.7	.3	1.3	10.0										44.7	300		
OCT	5.0	52.0	19.0	7.5	3.6	10.0	2.9										43.0	279		
NOV	21.5	57.3	7.3	3.9	.6	7.6	1.8										21.2	330		
DEC	37.0	49.0	5.9	4.1	3.5	.6											14.1	341		
ANNUAL	18.4	50.8	15.8	5.9	2.6	3.9	2.5	.0									30.7	3505		

EXTREME VALUES

PRECIPITATION (FROM DAILY OBSERVATIONS)

87601

MC MURDO STATION, ANTARCTICA

STATION

STATION NAME

YEARS

56-77

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56	TRACE	TRACE	.25	.01	TRACE	TRACE	TRACE	TRACE	TRACE	.12	.08	.22	
57	TRACE	TRACE	.10	.10	.90	.21	.11	.30	.28	.25	.10	.20	.90
58	TRACE	.02	.10	.40	TRACE	TRACE	.10	.05	.10	.05	.15	.21	.40
59	TRACE	.02	.11	.09	.10	.13	.16	.09	.16	.01	.06	.05	.16
60	1.30	.50	TRACE	.10	TRACE	TRACE	.05	.53	.31	.31	.10	.30	1.30
61	.46	.42	.30	.40	.07	.40	.02	.06	.11	.07	.05	.15	.46
62	.27	.45	.01	.05	.09	.07	.10	.01	.05	.13	.02	.30	.45
63	TRACE	.40	.02	TRACE	.15	.13	.02	.10	.09	.16	.26	.15	.40
64	.26	.27	.65	.23	.08	.13	.20	.04	.12	TRACE	.09	.20	.65
65	.27	.83	.10	TRACE	.01	.02	.30	.20	.40	.11	.33	.31	.83
66	1.00	2.10	.40	.02	.20	.67	.34	.62	.90	.11	.13	.33	2.10
67	TRACE	.23	.10	.15	.67	1.15	.13	.22	.40	.55	.55	.50	1.15
68	1.47	.55	1.02	.31	.14		.20	.16	.12	.42	.15	.20	
69	.45	.50	.52	.33	.14	.13	.40	.15	.05	.70	.80	.80	
70	.40	.06		.59	.22	.36	.03	.15	.10	.68	.33	.18	
71	.10	.23	.10	.59	.22	.36	.25	.15	.10	2.80	TRACE	.35	2.80
72	.03	.30	.30	.60	.35	.21	.31	.10	.10	.70	.18	.12	.70
73	.58	1.06	.06	.09	.19	.10	.09	.05	.38	.46	.43	.42	1.06
74	.14	.07	.25	.12	.24	.21	.29	.15	.09	.35	.34	.51	.51
75	.08	.37	.19	.15	.24	.37	.06	.12	.15	.15	.04	.25	
76	.03	.08	.20	.20	.32	.05	.70	.16	.03	TRACE	1.10	TRACE	1.10
77	.33												
MEAN	.34	.42	.25	.20	.20	.23	.18	.16	.20	.39	.26	.27	.94
S. D.	.428	.482	.256	.185	.232	.281	.167	.159	.207	.601	.284	.177	.684
TOTAL OBS.	651	565	589	600	589	570	651	620	600	651	630	651	7367

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5723 Extreme Values Jan 1969

PRECIPITATION
(FROM DAILY OBSERVATIONS)

MC MURD

STATION NAME

STATION

10

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

NAVWEASERVCOM

EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS)

36-77

MC MURDO STATION, ANTARCTICA

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

5723 Extreme Values Jan 1969

MONTH YEAR		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56		TRACE	TRACE	2.5	1.0	TRACE	TRACE	TRACE	TRACE	TRACE	1.2	.8	2.2	9.0
57		TRACE	TRACE	1.0	4.0	TRACE	TRACE	1.1	3.0	2.8	2.5	1.0	2.0	
58		TRACE	TRACE	1.0	TRACE	TRACE	TRACE	1.0	.5	1.0	.5	1.5	2.1	
59		TRACE	.2	1.1	.9	1.0	1.3	1.6	.9	1.6	.1	.5	.5	
60		13.0	5.0	TRACE	1.0	TRACE	TRACE	.5	5.3	3.1	3.1	1.0	3.0	13.0
61		4.6	4.2	3.0	4.0	.7	4.0	.2	.6	1.1	.7	.5	1.5	4.6
62		2.7	4.3	.1	.5	.9	.7	1.0	.1	.5	1.3	.2	3.0	4.5
63		TRACE	4.0	.2	TRACE	1.5	1.3	.2	1.0	.9	1.6	2.6	1.5	4.0
64		2.9	2.9	6.5	2.3	.8	1.3	3.1	.4	1.2	TRACE	1.1	2.0	6.5
65		2.0	8.3	1.0	TRACE	.1	.2	3.0	2.0	4.0	2.3	5.5	3.1	8.3
66		10.0	21.0	4.0	.2	2.0	6.7	3.4	6.2	9.0	1.1	1.3	3.3	21.0
67		TRACE	2.3	1.0	1.5	6.7	11.5	1.3	2.2	4.0	5.5	5.5	5.0	11.5
68		14.7	6.0	10.2				2.0			4.2	1.5	2.0	
69		4.5	5.0	5.2	3.1	1.4		4.0	1.6	1.2	7.0	8.0	6.0	
70		4.0	.6		3.3		1.3	.3	1.5	.5	6.8	3.3	1.8	28.0
71		1.0	2.3	1.0	2.8	2.2	3.6	2.5	1.5	1.0	28.0	TRACE	3.5	
72		.3	3.0	3.0	4.0	3.5	2.1	3.1	.8	1.0	7.0	1.8	1.2	7.0
73		5.8	10.6	.6	.9	1.9	1.0	.9	.5	3.8	4.6	4.3	4.2	10.6
74		1.4	.7	2.5	1.2	2.4	2.1	2.9	1.5	.9	3.5	3.4	5.1	5.1
75		.8	3.7	1.9	1.5		3.7	.6	1.2	1.5	1.5	.3	2.5	
76		.3	5.0	2.0	2.0	3.2	.5	7.0	1.6	.3	TRACE	6.0	TRACE	7.0
77		7.0												

NAVWEASERVCOM

FROM DAILY OBSERVATIONS)

87601 MC MURDO STATION, ANTARCTICA 56-77

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

87601 MC MURDO STATION, ANTARCTICA

56-67, 70, 73

STATION

STATION NAME

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56	TRACE	TRACE	3	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE		1	2	
57	TRACE	TRACE	1	4	3	20	4	1	6	2	7	4	12
58	TRACE	1	4	1	1	2	2	2	1	1	1	2	20
59												3	4
60	8	4	TRACE	1	1	TRACE	1	TRACE	1	3	1	4	8
61	2	4	2	8	3			4		6	2	1	
62	1	4	TRACE	1	2	1	1	TRACE	1	TRACE	TRACE	1	4
63	TRACE	1	TRACE	TRACE	2	4	TRACE	1	1	2	3	TRACE	4
64	3	3	4	3	3	4	4	2	2	2	1	2	
65	TRACE	3	TRACE	TRACE	1	2	2	2	4	3	5	3	
66	1	1	1	TRACE	TRACE	1	TRACE	1	TRACE	2	TRACE	TRACE	2
67	TRACE	1											
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
MEAN	1.5	2.0	1.5	1.8	2.0	4.1	2.2	2.0	2.8	3.2	2.0	2.0	7.7
S. D.	2.382	1.563	1.650	2.442	1.732	5.990	2.530	2.608	3.736	2.587	2.191	1.414	6.370
TOTAL OBS.	341	282	310	330	341	300	310	341	300	279	330	341	3803

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

56-67, 70, 73

MC MURDO STATION, ANTARCTICA

87601
STATION

YEARS

STATION NAME

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56			1 22							TRACE 30			SNOW DPTH DAYS
61					4 29	3 30			9 21				SNOW DPTH DAYS
64									2 30				SNOW DPTH DAYS
65		2 27											SNOW DPTH DAYS
67			0	0	0	0	0	0	0	0	0	0	SNOW DPTH DAYS
68	0	0	0	0	0	0	0	0	0	0	0	0	SNOW DPTH DAYS
69	0	0	0	0	0	0	0	0	0	0	0	0	SNOW DPTH DAYS
70	0	0	0	0	0	0	0	0	0	0	0	1	SNOW DPTH DAYS
71	0	0	0	0	0	0	0	0	0	0	0	0	SNOW DPTH DAYS
72	0	0	0	0	0	0	0	0	0	0	0	0	SNOW DPTH DAYS
73	0	0	0	0	2	0	0	0	0	0	0	0	SNOW DPTH DAYS
74	0	0	0	0	0	0	0	0	0	0	0	0	SNOW DPTH DAYS
75	0	0	0	0		0	0	0	0	0	0	0	SNOW DPTH DAYS
76	0	0	0	0	0	0	0	0	0	0	0	0	SNOW DPTH DAYS
77	0												SNOW DPTH DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

5724 DAILY AMOUNT MAR 1978

1937-1977

87601 MC MURDO STATION
STATION NAME

YEARS

JANUARY
MONTH

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST				SNOWFALL GREATEST			
	INCHES	MM	DATE		INCHES	MM	DATE	
1	0.30	8	1970		3.0	76	1970	
2	0.30	8	1970		3.0	76	1970	
3	0.40	10	1970		4.0	102	1970	
4	0.05	1	1975*		0.5	13	1975*	
5	0.80	20	1966		8.0	203	1966	
6	0.03	1	1976		0.3	8	1976	
7	0.46	12	1961		4.6	117	1961	
8	1.12	28	1968		11.2	284	1968	
9	0.25	6	1977		1.5	38	1973	
10	1.00	25	1966		10.0	254	1966	
11	0.20	5	1973		2.0	51	1973	
12	0.11	3	1964		1.1	28	1964	
13	0.03	1	1964		0.3	8	1964	
14	0.12	3	1968		1.2	30	1968	
15	0.30	8	1970		3.0	76	1970	
16	1.47	37	1968		14.7	373	1968	
17	0.40	10	1970		4.0	102	1970	
18	0.01	1	1975		0.1	3	1975	
19	T	T	1974*		T	T	1974*	
20	0.15	4	1966		1.5	38	1966	
21	1.30	33	1960		13.0	330	1960	
22	0.27	7	1962		2.7	69	1962	
23	0.27	7	1965		2.0	51	1965	
24	T	T	1976*		T	T	1976*	
25	0.03	1	1972		0.3	8	1972	
26	0.01	1	1975		0.1	3	1975	
27	0.02	1	1960		0.2	5	1960	
28	0.25	6	1960		2.5	63	1960	
29	0.14	4	1974		1.4	36	1974	
30	0.04	1	1973		0.4	10	1973	
31	0.26	7	1964		2.9	74	1964	
Monthly	1.47	37	1968		14.7	373	1968	

DAY	PRECIPITATION GREATEST				SNOWFALL GREATEST			
	INCHES	MM	DATE		INCHES	MM	DATE	
1	0.46	12	1968		4.6	117	1968	
2	0.25	6	1962		2.5	63	1962	
3	0.26	7	1975		2.6	66	1975	
4	0.45	11	1962		4.5	114	1962	
5	0.38	10	1968		3.8	97	1968	
6	0.04	1	1968		0.4	10	1968	
7	2.00	51	1966		20.0	508	1966	
8	0.30	8	1966		3.0	76	1966	
9	0.30	8	1966		3.0	76	1966	
10	0.70	18	1966		7.0	178	1966	
11	2.10	53	1966		21.0	533	1966	
12	0.55	14	1968		5.5	140	1968	
13	0.40	10	1963		4.0	102	1963	
14	0.05	1	1967		0.5	13	1967	
15	0.40	10	1965		4.0	102	1965	
16	0.42	11	1961		4.2	107	1961	
17	0.83	21	1965		8.3	211	1965	
18	0.37	9	1975		3.7	94	1975	
19	0.11	3	1969		1.1	28	1969	
20	0.50	13	1969		5.0	127	1969	
21	0.20	5	1969		2.0	51	1969	
22	0.08	2	1976		0.8	20	1976	
23	0.06	2	1970		0.6	15	1970	
24	0.03	1	1960		0.3	8	1960	
25	0.50	13	1960		5.0	127	1960	
26	0.10	3	1971		1.0	25	1971	
27	0.03	1	1974		0.3	8	1974	
28	0.07	2	1967		0.7	18	1967	
29	0.01	1	1964		0.1	3	1964	
30								
31								
Monthly	2.10	53	1966		21.0	533	1966	

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINASTATION
07601STATION NAME
MC MURDO STATION

1956-1977

YEARS

MARCH
MONTHAPRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.65	17	1964	6.5	165	1964
2	0.41	10	1964	4.1	104	1964
3	0.19	5	1975*	1.9	48	1975*
4	T	T	1974*	T	T	1974*
5	0.10	3	1965	1.0	25	1965
6	0.25	6	1974*	2.5	63	1974*
7	0.52	13	1969	5.2	132	1969
8	0.43	11	1969	4.3	109	1969
9	0.32	8	1969	3.2	81	1969
10	0.37	9	1969	3.7	94	1969
11	0.10	3	1971	1.0	25	1971
12	0.04	1	1961	0.4	10	1961
13	0.25	6	1957	2.5	63	1957
14	0.13	3	1956	1.3	33	1956
15	0.45	11	1969	4.5	114	1969
16	1.02	26	1968	10.2	259	1968
17	0.10	3	1966	1.0	25	1966
18	0.20	5	1976	2.0	51	1976
19	0.10	3	1957	1.0	25	1957
20	0.08	2	1967	0.8	20	1967
21	0.10	3	1972	0.1	3	1972
22	0.20	5	1966	2.0	51	1966
23	0.17	4	1970	1.7	43	1970
24	0.40	10	1966	4.0	102	1966
25	0.10	3	1968	1.0	25	1968
26	0.06	2	1959	0.6	15	1959
27	0.10	3	1974	1.0	25	1974
28	0.02	1	1970	0.2	5	1970
29	0.15	4	1961	1.5	38	1961
30	0.03	1	1961	0.3	8	1961
31	0.10	3	1958	1.0	25	1958
Monthly	1.02	26	1968	10.2	259	1968

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.00	25	1968	10.0	254	1968
2	0.03	1	1974	0.3	8	1974
3	0.20	5	1970	2.0	51	1970
4	0.28	7	1971	2.8	71	1971
5	0.20	5	1968	2.0	51	1968
6	0.20	5	1964	2.0	51	1964
7	0.30	8	1972	3.0	76	1972
8	0.02	1	1962	0.2	5	1962
9	0.05	1	1964	0.5	13	1964
10	0.14	4	1969	4.0	102	1972
11	0.08	2	1969*	0.8	20	1969*
12	0.59	15	1971	2.5	63	1969
13	0.40	10	1961	4.0	102	1961
14	0.28	7	1969	2.8	71	1969
15	0.09	2	1959	0.9	23	1959
16	0.15	4	1967	1.5	38	1967
17	0.60	15	1972	2.3	58	1964
18	0.40	10	1972	4.0	102	1972
19	0.10	3	1969	1.0	25	1969
20	0.07	2	1964	0.7	18	1964
21	0.15	4	1964	1.5	38	1964
22	0.10	3	1957	1.0	25	1957
23	0.31	8	1969	3.1	79	1969
24	0.10	3	1969	1.0	25	1969
25	0.33	8	1970	3.3	84	1970
26	0.06	2	1970	2.2	56	1968
27	0.10	3	1975	1.0	25	1975
28	0.03	1	1969	0.3	8	1969
29	0.12	3	1974	1.2	30	1974
30	0.04	1	1971	0.4	10	1971
31						
Monthly	1.00	25	1968	10.0	254	1968

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

87601

MC MURDO STATION

1956-1977

STATION

STATION NAME

YEARS

MAY

MONTH

JUNE

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.06	2	1971	0.6	15	1971
2	0.12	3	1974	1.2	30	1974
3	0.21	5	1974	2.1	53	1974
4	0.15	4	1957	1.5	38	1957
5	0.18	5	1974	1.8	46	1974
6	0.10	3	1969	1.0	25	1969
7	0.07	2	1971	0.7	18	1971
8	0.15	4	1972	1.5	38	1972
9	0.35	9	1972	3.5	89	1972
10	1.68	43	1968	16.8	427	1968
11	0.20	5	1966	2.0	51	1966
12	0.14	4	1969	1.4	36	1969
13	0.32	8	1976	3.2	81	1976
14	0.90	23	1957	9.0	229	1957
15	0.22	6	1971	2.2	56	1971
16	0.80	20	1957	8.0	203	1957
17	0.16	4	1974	1.6	41	1974
18	0.67	17	1967	6.7	170	1967
19	0.24	6	1974	2.4	61	1974
20	0.01		1967	0.1	3	1967
21	0.13	3	1967	1.3	33	1967
22	0.15	4	1963	1.5	38	1963
23	0.05	1	1974*	0.5	13	1974
24	0.11	3	1967	1.1	28	1967
25	0.11	3	1974	1.1	28	1974
26	0.12	3	1967	1.2	30	1967
27	0.07	2	1970	0.7	18	1970
28	0.20	5	1972	2.0	51	1972
29	0.11	3	1970	1.1	28	1970
30	0.08	2	1964	0.8	20	1964
31	0.21	5	1971	2.1	53	1971
Monthly	1.68	43	1968	16.8	427	1968

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.22	6	1971	2.2	56	1971
2	0.24	6	1967	2.4	61	1967
3	0.67	17	1966	6.7	170	1966
4	0.40	10	1961	4.0	102	1961
5	0.19	5	1974	1.9	48	1974
6	0.07	2	1974	0.7	18	1974
7	0.08	2	1970	0.8	20	1970
8	0.07	2	1967	0.7	18	1967
9	0.13	3	1959	1.3	33	1959
10	0.04	1	1970	0.4	10	1970
11	0.18	5	1961	1.8	46	1961
12	0.18	5	1972	1.8	46	1972
13	0.37	9	1975	3.7	94	1975
14	0.21	5	1957	2.1	53	1957
15	0.26	7	1971	2.6	66	1971
16	0.14	4	1966	1.4	36	1966
17	0.36	9	1971	3.6	91	1971
18	0.08	2	1971	0.8	20	1971
19	0.10	3	1972	1.0	25	1972
20	0.28	7	1966	2.8	71	1966
21	0.50	13	1966	5.0	127	1966
22	0.43	11	1966	4.3	109	1966
23	0.27	7	1975	2.7	69	1975
24	0.10	3	1964	1.0	25	1964
25	0.10	3	1967	1.0	25	1967
26	0.60	15	1967	6.0	152	1967
27	1.00	25	1967	10.0	254	1967
28	1.00	25	1967	10.0	254	1967
29	0.80	20	1967	8.0	203	1967
30	1.15	29	1967	11.5	292	1967
31						
Monthly	1.15	29	1967	11.5	292	1967

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

87601
STATION

MC MURDO STATION
STATION NAME

JULY
MONTH

AUGUST
MONTH

YEARS

1956-1977

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.14	4	1974	1.4	36	1974
2	0.20	5	1966*	2.0	51	1966*
3	0.30	8	1965	3.0	76	1965
4	0.30	8	1966	3.0	76	1966
5	0.16	4	1959	1.6	41	1959
6	0.25	6	1971	2.5	63	1971
7	0.05	1	1976*	0.5	13	1976*
8	0.03	1	1972*	0.3	8	1972*
9	0.06	2	1975	0.6	15	1975
10	0.10	3	1962	1.0	25	1962
11	0.05	1	1962	0.5	13	1962
12	0.20	5	1968	2.0	51	1968
13	0.08	2	1967	0.8	20	1967
14	0.05	1	1972	0.5	13	1972
15	0.31	8	1972	3.1	79	1972
16	0.05	1	1976	0.5	13	1976
17	0.10	3	1958	1.0	25	1958
18	0.20	5	1976	2.0	51	1976
19	0.70	18	1976	7.0	178	1976
20	0.40	10	1976	4.0	102	1976
21	0.25	6	1976	2.5	63	1976
22	0.15	4	1976	1.5	38	1976
23	0.39	10	1976	3.9	99	1976
24	0.34	9	1966	3.4	86	1966
25	0.40	10	1969	4.0	102	1969
26	0.16	4	1969	1.6	41	1969
27	0.21	5	1976	2.1	53	1976
28	0.20	5	1964	3.1	79	1964
29	0.30	8	1972	3.0	76	1972
30	0.15	4	1976	1.5	38	1976
31	0.05	1	1968	0.5	13	1968
Monthly	0.70	18	1976	7.0	178	1976

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.54	14	1966	5.4	137	1966
2	0.60	15	1966	6.0	152	1966
3	0.15	4	1957	1.5	38	1957
4	0.30	8	1957	3.0	76	1957
5	0.41	10	1966	4.1	104	1966
6	0.12	3	1975	1.2	30	1975
7	0.15	4	1974*	1.5	38	1974*
8	0.20	5	1965	2.0	51	1965
9	0.05	1	1966	0.5	13	1966
10	0.09	2	1966	0.9	23	1966
11	0.12	3	1975	1.2	30	1975
12	0.04	1	1974	0.4	10	1974
13	0.11	3	1967	1.1	28	1967
14	0.20	5	1967	2.0	51	1967
15	0.05	1	1969	0.5	13	1969
16	0.07	2	1967	0.7	18	1967
17	0.05	1	1958	0.5	13	1958
18	0.05	1	1967	0.5	13	1967
19	0.10	3	1965	1.0	25	1965
20	0.15	4	1967	1.5	38	1967
21	0.15	4	1957	1.5	38	1957
22	0.16	4	1967	1.6	41	1967
23	0.15	4	1970	1.5	38	1970
24	0.10	3	1965	1.0	25	1965
25	0.02	1	1976*	0.2	5	1976*
26	0.10	3	1965	1.0	25	1965
27	0.23	6	1966	2.3	58	1966
28	0.16	4	1976*	1.6	41	1976*
29	0.25	6	1957	2.5	63	1957
30	0.62	16	1966	6.2	157	1966
31	0.53	13	1960	5.3	135	1960
Monthly	0.62	16	1966	6.2	157	1966

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

87601
STATION

MC MURDO STATION
STATION NAME

1956-1977

YEARS

SEPTEMBER
MONTH

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.26	7	1960	2.6	66	1960
2	0.07	2	1969	0.7	18	1969
3	0.05	1	1962	0.5	13	1962
4	0.31	8	1960	3.1	79	1960
5	0.05	1	1960*	0.5	13	1960*
6	0.07	2	1957	0.7	18	1957
7	0.12	3	1957	1.2	30	1957
8	0.07	2	1957	0.7	18	1957
9	0.04	1	1966	0.4	10	1966
10	0.20	5	1966	2.0	51	1966
11	0.16	4	1959	1.6	41	1959
12	0.07	2	1960	0.7	18	1960
13	0.10	3	1972	1.0	25	1972
14	0.10	3	1972*	1.0	25	1972*
15	0.08	2	1975	0.8	20	1975
16	0.10	3	1965	1.0	25	1965
17	0.40	10	1967	4.0	102	1967
18	0.06	2	1967	0.6	15	1967
19	0.90	23	1966	9.0	229	1966
20	0.20	5	1957	2.0	51	1957
21	0.03	1	1975*	0.3	8	1975*
22	0.20	5	1965	2.0	51	1965
23	0.40	10	1965	4.0	102	1965
24	0.10	3	1965	1.0	25	1965
25	0.10	3	1971*	1.0	25	1971*
26	0.10	3	1965	1.0	25	1965
27	0.07	2	1957	0.7	18	1957
28	0.08	2	1975	0.8	20	1975
29	0.12	3	1969	1.2	30	1969
30	0.09	2	1964	0.9	23	1964
31						
Monthly	0.90	23	1966	9.0	229	1966

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.06	2	1969	0.6	15	1969
2	0.11	3	1966	1.1	28	1966
3	T	T	1975*	T	T	1975*
4	0.10	3	1972	1.0	25	1972
5	0.35	9	1974	3.5	89	1974
6	0.15	4	1975	1.5	38	1975
7	0.05	1	1975*	0.5	13	1975*
8	0.33	8	1970	3.3	84	1970
9	0.68	17	1970	6.8	173	1970
10	T	T	1975*	T	T	1975*
11	0.01		1959	0.1	3	1959
12	0.42	11	1968	4.2	107	1968
13	0.11	3	1965	2.3	58	1965
14	1.25	32	1971	12.7	323	1971
15	0.36	9	1971	3.6	91	1971
16	2.80	71	1971	28.0	711	1971
17	0.15	4	1970	1.5	38	1970
18	0.12	3	1956	1.2	30	1956
19	0.14	4	1960	1.4	36	1960
20	0.31	8	1960	3.1	79	1960
21	0.10	3	1966	1.0	25	1966
22	0.22	6	1970	2.2	56	1970
23	0.05	1	1966	0.5	13	1966
24	0.05	1	1974	0.5	13	1974
25	0.05	1	1960	0.5	13	1960
26	0.10	3	1970	1.0	25	1970
27	0.10	3	1970	1.0	25	1970
28	0.70	18	1972	7.0	178	1972
29	0.70	18	1969	7.0	178	1969
30	0.01		1974	0.1	3	1974
31	0.13	3	1962	1.3	33	1962
Monthly	2.80	71	1971	28.0	711	1971

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION
87601

MC MURDO STATION
STATION NAME

1956-1977

YEARS

MONTH
NOVEMBER

MONTH
DECEMBER

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.08	2	1974	0.8	20	1974
2	0.03	1	1974	0.3	8	1974
3	T	T	1970*	T	T	1970*
4	0.10	3	1958	1.0	25	1958
5	1.10	28	1976	5.7	145	1976
6	0.10	3	1968*	6.0	152	1976
7	0.45	11	1969	4.5	114	1969
8	0.80	20	1969	8.0	203	1969
9	0.35	14	1967	5.5	140	1967
10	0.06	2	1958	0.6	15	1958
11	0.10	3	1972*	1.0	25	1972*
12	T	T	1972*	T	T	1972*
13	0.10	3	1970	1.0	25	1970
14	0.33	8	1970	3.3	84	1970
15	0.30	8	1970	5.5	140	1965
16	0.10	3	1969	1.0	25	1969
17	0.27	7	1976	3.0	76	1976
18	0.20	5	1976	3.0	76	1976
19	0.15	4	1974	1.5	38	1974
20	0.32	8	1974	3.2	81	1974
21	0.10	3	1960	1.0	25	1960
22	0.13	3	1966	1.3	33	1966
23	0.10	3	1957	1.0	25	1957
24	0.08	2	1956	0.8	20	1956
25	0.18	5	1972	1.8	46	1972
26	0.10	3	1972	1.0	25	1972
27	0.02	1	1966*	1.0	25	1976
28	0.26	7	1963	2.6	66	1963
29	0.53	13	1965	5.3	135	1965
30	0.34	9	1974	3.4	86	1974
31						
Monthly	1.10	28	1976	8.0	203	1969

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.22	6	1962	2.2	56	1962
2	0.24	6	1965	2.4	61	1965
3	0.50	13	1967	5.0	127	1967
4	0.20	5	1968	2.0	51	1968
5	T	T	1968*	T	T	1968*
6	0.31	8	1963	3.1	79	1963
7	0.10	3	1963	1.0	25	1963
8	0.30	8	1962	3.0	76	1962
9	0.05	1	1971	0.5	13	1971
10	0.16	4	1956	1.6	41	1956
11	0.22	6	1956	2.2	56	1956
12	0.50	13	1969	5.0	127	1969
13	0.20	5	1969	2.0	51	1969
14	T	T	1971*	T	T	1971*
15	0.30	8	1969	3.0	76	1969
16	0.12	3	1972	1.2	30	1972
17	0.20	5	1958*	2.0	51	1958*
18	0.12	3	1972	1.2	30	1972
19	0.01		1975*	0.1	3	1975*
20	0.06	2	1961	0.6	15	1961
21	0.30	8	1960	3.0	76	1960
22	0.05	1	1971	0.5	13	1971
23	0.35	9	1971	3.5	89	1971
24	0.20	5	1967	2.0	51	1967
25	0.80	20	1969	8.0	203	1969
26	0.30	8	1969	3.0	76	1969
27	0.05	1	1974*	0.5	13	1974*
28	0.50	13	1969	5.0	127	1969
29	0.04	1	1972	0.4	10	1972
30	0.20	5	1969	2.0	51	1969
31	0.10	3	1969	1.0	25	1969
Monthly	0.80	20	1969	8.0	203	1969

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VAREBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS (FROM DAILY OBSERVATIONS)

56-77

MC MURDO STATION, ANTARCTICA

87601

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56	E 38SSE 37S	SE 54SSE 41S	SE 52ENE 41S	SE 54SSE 38S	78S	68SSW 64S	75SSE 49S	57S	38				
57	S 43	E 42E	S 50S	58SE 57SE	72S	69SE 51SSE 68SSE	58ENE 54SE	50	72				
58	SSE 35S	44SE 50S	55SSE 57SE	66S	75S	70SSE 60S	67S	67SSW 66E	41				
59	SE 47ESE 51ENE 50SE	53S	55S	54SW	71S	66S	80E	46E	50				
60	S 54S	60S	55S	54SW	71S	66S	80E	46E	50				
61	SE 45S	63E	42SSE 53S	81SSE 68SSE	54ENE 53E	49S	53ENE 38SSE	42					
62	S 37ESE 37E	44S	54S	72S	86S	59SSW 81SSE	83ESE 62S	47E	42				
63	S 34SSE 45ESE 51SSE	66SSE 74S	70SSE 62SSE	66SSE 80SSE	73ESE 38SSE	67							
64	SE 54ESE 58NNE 56SE	69ESE 55SE	79SSE 77SE	87SE	66S	69SE	40SE	44					
65	NW 30S	40S	34NE 38NE	47S	53S	67NE	46S	92S	37S	61S	36		
66	S 54S	48SSE 53ESE 52S	83S	75S	57SSE 68ESE	48S	51SE	55SE	46				
67	ESE 32S	47SE 70ENE 54E	60S	82SSE 101SSE	63SE	47SE	38SE	43E	32				
68	SE 32SSE 35S	63SE 43SSE	44	SE 64E	41S	55SSE	57SE	46S	41				
69	E 38SSE 41SSE 39S	43S	58S	71	5	71S	67SSE	33SE	39S	43			
70	NNW 4318	5016	5314	8721	9114	4616	5509	5414	5609	4516	5112	39	21
71	09 3520	4018	6818	8018	5920	7317	5624	4913	5422	3820	4812	35	18
72	15 3012	4220	6208	46	5619	6418	5720	6416	5819	6814	5714	40	19
73	10 4617	4417	6318	6018	6419	6323	8320	7619	4818	3208	3917	46	23
74	10 3602	3815	4918	60	20	6321	7217	7020	72	15	4908	39	18
75	17 4107	3318	5018	5009	5418	6315	6525	5320	6507	4518	7719	45	18
76	18 51												77
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	40.7	44.8	53.6	55.5	63.7	70.5	65.5	62.5	65.8	56.9	50.8	43.0	82.5
S. D.	7.982	8.370	8.630	12.106	12.852	.500	11.763	11.729	13.113	9.683	10.033	7.131	.500
TOTAL OBS.	647	535	610	627	616	599	615	647	624	587	627	648	7382

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

56-77

MC MURDO STATION, ANTARCTICA

87601

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

[illegible]

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-77

STATION NAME

YEARS

JAN
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.2	1.9	1.3								9.0	6.3
NNE				.6								.6	12.0
NE	.6			1.9								2.6	11.0
ENE	1.9	.6	3.2	5.8	.6							12.3	10.2
E	1.3	1.3	10.3	7.1	2.6							22.6	10.7
ESE	.6	3.2	3.2	3.9	.6	.6						12.3	10.2
SE	.6	1.3	1.3	1.3								4.5	8.1
SSE				1.9								1.9	11.7
S	.6	.6		.6	.6							2.6	10.5
SSW	.6											.6	2.0
SW													
WSW													
W													
WNW		1.3										1.3	4.0
NW	.6		.6									1.3	5.5
NNW	1.3	3.2	3.9									8.4	6.2
VARBL												20.0	
CALM												100.0	7.4
	11.0	14.8	24.5	24.5	4.3	.6							

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-77

STATION NAME

YEARS

JAN
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.9	3.2	.6								7.7	6.9
NNE			.6									.6	8.0
NE	.6		1.9									2.6	6.5
ENE	.6	.6	1.3	3.9	1.3	1.3						9.0	13.1
E	1.9	4.5	12.3	8.4	4.5	.6						32.3	10.8
ESE		3.2	3.2	3.9		.6						11.0	10.1
SE			.6	.6								1.3	12.0
SSE		1.3	.6	.6								2.6	8.3
S		1.3		1.3	.6							3.2	11.6
SSW													
SW													
WSW	.6											.6	1.0
W	.6											.6	1.0
WNW	1.9											1.9	2.3
NW	.6	.6	.6									1.9	5.3
NNW	.6	2.6	2.6									5.8	5.8
VARBL													
CALM												18.7	
	7.7	18.1	27.1	19.4	6.5	2.6						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-77

YEARS

JAN
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	2.6	1.3								5.2	6.0
NNE			.6									.6	9.0
NE	.6	.6	1.9									3.2	6.6
ENE	.6		1.9	3.2	1.3							7.1	11.5
E	1.3	6.5	7.7	15.5	2.6	.6						34.2	10.8
ESE		5.8	3.9	5.2	.6	.6						16.1	10.0
SE			1.3	.6								1.9	10.3
SSE		.6										.6	4.0
S	.6			.6		.6						1.9	14.0
SSW	1.3											1.3	1.5
SW	.6											.6	1.0
WSW													
W													
WNW	1.9	1.3	.6									3.9	3.7
NW		1.3										1.3	4.5
NNW	1.3	3.9	1.3									6.5	5.3
VARB													
CALM												15.5	
	9.0	20.6	21.9	26.5	4.5	1.9						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-77

STATION NAME

YEARS

JAN

MONTH

ALL WEATHER

CLASS

12

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.9									3.9	7.0
NNE													
NE		.6	.6	1.3								2.6	10.3
ENE	1.9	1.3	2.6	5.2	.6							11.6	9.8
E		2.6	12.3	12.3	3.9							31.0	11.2
ESE	1.3	2.6	5.2	6.5	1.9							17.4	10.9
SE		1.9		.6								2.6	6.3
SSE			1.3									1.3	10.0
S		.6		.6	1.3		.6					3.2	16.6
SSW	1.3					.6						1.9	8.0
SW													
WSW													
W	1.3	1.3										2.6	3.0
WNW	3.9	.6										4.5	2.6
NW	.6	2.6	1.3									4.5	6.1
NNW		1.3	2.6	.6								4.5	7.9
VARB													
CALM												8.4	
	11.0	16.8	27.7	27.1	7.7	.6	.6					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-77

STATION NAME

YEARS

JAN

MONTH

ALL WEATHER

CLASS

15

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.3									3.2	6.2
NNE													
NE	.6	2.6	1.3									4.5	5.4
ENE		1.3	5.2	7.7	.6							14.8	11.5
E	2.6	3.2	11.6	14.8	3.2							35.5	11.1
ESE	.6	.6	2.6	3.2	.6							7.1	9.9
SE			1.9	1.3	.6							3.9	12.5
SSE			.6	.6	.6							1.3	15.0
S		1.3	.6	1.3	1.3	1.3						5.8	14.7
SSW	1.3											1.3	2.5
SW	.6											.6	2.0
WSW	.6											.6	3.0
W	3.2	1.3										4.5	3.0
WNW	.6	.6										1.3	3.0
NW	1.9	.6		.6								3.2	4.6
NNW	1.3	.6	3.9	.6								6.5	7.5
VARBL													
CALM												5.8	
	14.2	13.5	29.0	29.7	6.5	1.3						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-77

STATION NAME

YEARS

JAN

MONTH

ALL WEATHER

CLASS

18

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9	3.2									5.8	7.0
NNE													
NE		1.3	.6									1.9	5.3
ENE	.6	3.2	4.5	6.5	1.3							16.1	10.6
E	.6	1.9	9.7	13.5	2.6							28.4	11.5
ESE	.6	.6	9.0	1.3								11.6	8.9
SE	.6	1.3	3.9	1.3	.6							7.7	9.2
SSE			.6			.6						1.3	15.5
S		.6	.6	1.9	1.9							5.2	14.1
SSW					.6							.6	18.0
SW	1.3											1.3	2.5
WSW	.6		.6									1.3	6.0
W	1.3											1.3	2.5
WNW		.6										.6	6.0
NW	1.3	3.2	.6		.6							5.8	6.2
NNW	1.3	2.6	1.3	1.3								6.5	6.6
VARBL													
CALM												4.5	
	9.0	17.4	34.8	25.8	7.7	.6						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-77

STATION NAME

YEARS

JAN
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3		4.5	1.9								7.7	8.5
NNE	.6	.6		.6								1.9	6.7
NE		1.3	2.6	.6								4.5	8.0
ENE			3.9	6.5	3.2							13.5	13.0
E	1.9	3.9	12.3	10.3	1.3							29.7	10.1
ESE		1.9	4.5	2.6		.6						9.7	10.3
SE			2.6	.6	1.3							4.5	12.0
SSE			.6	1.3								1.9	12.7
S			.6	1.3								1.9	11.3
SSW				.6								.6	15.0
SW													
WSW	.6											.6	2.0
W	1.9											1.9	1.7
WNW	1.9	1.3										3.2	3.4
NW	1.3	3.2										4.5	4.0
NNW	.6	1.9	1.3									3.9	5.3
VARBL													
CALM												9.7	
	10.3	14.2	32.9	26.5	5.8	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

HC MURDO STATION, ANTARCTICA

73-77

STATION NAME

YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	2.9	.9								6.7	7.1
NNE	.1	.1	.2	.4								.7	10.1
NE	.3	1.1	1.1	.6	.1							3.2	7.7
ENE	.7	1.0	3.5	5.4	1.2	.2						12.1	11.4
E	1.4	3.6	10.5	11.7	2.7	.2						30.1	10.8
ESE	.7	2.3	4.2	3.7	.5	.4						11.9	10.1
SE	.2	.7	1.6	1.1	.4							4.0	10.1
SSE	.1	.2	.6	.6	.1	.1						1.7	10.9
S	.2	.6	.2	1.0	.8	.2	.1					3.1	13.7
SSW	.6			.1	.1	.1						.8	6.7
SW	.3											.3	2.0
WSW	.3		.1									.4	3.6
W	1.1	.3										1.5	2.5
WNW	1.5	.8	.1									2.3	3.2
NW	1.0	1.5	.4	.1	.1							3.1	5.1
NNW	.8	2.2	2.3	.4								5.7	6.5
VARBL													
CALM												12.3	
	10.5	16.2	27.7	26.0	6.0	1.2	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

FEB
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				2.7								2.7	15.0
NNE		1.8	.9			.9						3.6	10.8
NE	2.7	.9		2.7								6.2	7.6
ENE	1.8		4.5	8.0	7.1							21.4	13.5
E		5.4	10.7	10.7	5.4	.9						33.0	11.8
ESE		.9	4.5	8.0								13.4	11.5
SE		.9	3.6	.9	.9							6.2	10.1
SSE	.9											.9	3.0
S	.9	.9					.9					2.7	12.3
SSW													
SW													
WSW													
W													
WNW													
NW		.9	.9									1.8	6.5
NNW		1.8										1.8	5.5
VARBL													
CALM												6.2	
	6.2	13.4	25.0	33.0	13.4	1.8	.9					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

112

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

FEB

MONTH

03

ALL WEATHER

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			2.6	1.3	1.3							5.1	12.8
NNE	1.3											1.3	2.0
NE			3.8									3.8	9.0
ENE			1.3	7.7	3.8		1.3					14.1	15.6
E	5.1	5.1	9.0	10.3	5.1	2.6						37.2	11.0
ESE			3.8	2.6		1.3						7.7	12.8
SE		1.3	1.3	3.8	1.3							7.7	13.0
SSE		1.3	1.3	2.6	1.3							6.4	12.0
S					1.3							1.3	17.0
SSW													
SW													
WSW			1.3									1.3	8.0
W													
WNW													
NW	1.3			1.3								2.6	7.0
NNW			1.3									1.3	7.0
VARB													
CALM												10.3	
	7.7	7.7	25.6	29.5	14.1	1.8	1.3					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

78

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

FEB
MONTH

ALL WEATHER

CLASS

06

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.8		1.8								3.5	9.0
NNE	.9	.9		.9								2.7	7.3
NE	.9		.9	1.8	.9							4.4	11.4
ENE		.9	5.3	5.3	2.7	.9						15.0	12.9
E		1.8	7.1	9.7	10.6	4.4						33.6	14.8
ESE			3.5	7.1	2.7							13.3	13.0
SE		.9	4.4	1.8								7.1	8.8
SSE	.9			.9								1.8	7.0
S	.9		.9	.9								2.7	7.3
SSW													
SW													
WSW													
W													
WNW			.9									.9	7.0
NW													
NNW	.9		.9		.9							2.7	9.3
VABBL													
CALM												12.4	
	4.4	6.2	23.9	30.1	17.7	5.3						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

113

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

FEB

MONTH

ALL WEATHER

CLASS

09

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3		1.3	1.3							5.3	10.8
NNE		2.6		1.3	1.3							3.9	8.7
NE		1.3		2.6	1.3							5.3	12.8
ENE		1.3	6.6	2.6	6.6							17.1	13.8
E		5.3	6.6	7.9	3.9	1.3						25.0	11.8
ESE	1.3	1.3	7.9	6.6	1.3							18.4	10.6
SE		1.3	2.6	1.3								5.3	8.8
SSE			1.3									1.3	10.0
S	1.3			1.3	2.6							5.3	13.0
SSW													
SW													
WSW													
W													
WNW		1.3										1.3	5.0
NW													
NNW			1.3									1.3	10.0
VARBL												10.5	
CALM													
	3.9	15.8	26.3	23.7	18.4	1.3						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

76

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEAR

FEB

MONTH

12

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8			.9								2.7	6.0
NNE	.9			.9								1.8	9.0
NE		2.7	.9	2.7								6.2	9.9
ENE			.9	6.2								11.6	16.8
E		1.8	8.0	16.1	2.7	1.8						33.9	13.4
ESE		1.8	2.7	2.7	4.5							11.6	13.5
SE		1.8	3.6		.9							6.2	9.1
SSE	.9	.9	.9	3.6	1.8							7.1	13.3
S	.9	.9	.9	.9								3.6	6.3
SSW	1.8		.9	.9								3.6	6.8
SW													
WSW													
W													
WNNW													
NW		.9										.9	5.0
NNW			1.8									1.8	7.5
VARBL												8.9	
CALM												100.0	11.2
	5.4	10.7	20.5	34.8	16.1	3.6							

TOTAL NUMBER OF OBSERVATIONS

112

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

FEB
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3		2.6								3.9	10.0
NNE													
NE		1.3	2.6	1.3								5.3	9.0
ENE		1.3	2.6	7.9	3.9	1.3						17.1	14.0
E		1.3	9.2	11.8	5.3							27.6	13.0
ESE	1.3	3.9	3.9	5.3								14.5	8.7
SE			3.9	3.9								7.9	10.7
SSE			2.6		1.3	1.3						5.3	13.8
S			1.3	2.6	1.3	1.3						5.3	15.3
SSW		1.3										2.6	12.0
SW	1.3											1.3	2.0
WSW													
W													
WNW													
NW			2.6									2.6	7.5
NNW		1.3										1.3	5.0
VARBL													
CALM												5.3	
	2.6	11.8	28.9	35.5	11.8	3.9						100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

76

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

FEB
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.9	1.8									2.7	6.7
NNE		.9										.9	4.0
NE			.9	.9								1.8	10.5
ENE			5.4	7.2	3.6	.9						17.1	14.1
E		3.6	5.4	12.6	9.0	3.6						34.2	14.3
ESE		.9	4.5	3.6	2.7	.9						12.6	12.6
SE		.9	2.7	1.8	1.8							7.2	12.1
SSE			1.8	3.6								5.4	12.3
S				1.8								1.8	13.0
SSW					.9							.9	20.0
SW													
WSW													
W	.9											.9	2.0
WNW	.9		.9									1.8	5.5
NW		.9	2.7									3.6	7.3
NNW		.9	.9									1.8	6.0
VARBL													
CALM												7.2	
	1.8	9.0	27.0	31.5	18.0	5.4						100.0	11.8

TOTAL NUMBER OF OBSERVATIONS

111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

FEB
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N					1.3							1.3	17.0
NNE													
NE	1.3		3.9			1.3						6.5	10.0
ENE			1.3	3.9	5.2	2.6						13.0	16.8
E	2.6		13.0	18.2	3.9	1.3						39.0	12.4
ESE		1.3	5.2	3.9								10.4	10.5
SE			1.3	3.9								5.2	10.5
SSE				1.3	1.3							2.6	14.5
S	1.3		1.3		1.3							3.9	10.3
SSW				1.3								1.3	12.0
SW													
WSW													
W													
WNW			1.3									1.3	10.0
NW				1.3								1.3	12.0
NNW		2.6										2.6	5.5
VARBL													
CALM												11.7	
	5.2	3.9	27.3	33.8	13.0	5.2						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

77

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEAR

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	.5	1.3	.4							3.3	10.4
NNE	.4	.8	.1	.3	.1	.1						1.9	8.2
NE	.7	.8	1.5	1.6	.3	.1						4.9	9.8
ENE	.3	.4	3.6	6.2	4.4	.9	.1					15.9	14.4
E	.8	3.0	8.5	12.2	6.5	2.1						33.1	13.0
ESE	.3	1.2	4.4	5.0	1.6	.3						12.7	11.7
SE	.9	.9	3.0	2.0	.7							6.6	10.4
SSE	.3	.3	.9	1.6	.7	.1						3.8	12.1
S	.7	.3	.5	.9	.5	.1	.1					3.2	11.3
SSW	.3	.1	.1	.3	.3							1.1	10.4
SW	.1											.1	2.0
WSW													
W	.1		.1									.3	5.0
WNW	.1	.1	.4									.7	6.6
NW	.1	.4	.8	.3								1.6	7.3
NNW	.1	.8	.3		.1							1.9	7.1
VARBL													
CALM												9.0	
	4.6	9.8	25.3	31.7	15.5	3.8	.3					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

755

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

MAR

MONTH

00

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	3.2									4.0	9.0
NNE		1.6										1.6	5.5
NE			.8		.8							1.6	12.5
ENE	.8	2.4	5.6	.8	.8	.8						11.3	9.2
E	2.4	4.0	7.3	12.9	12.1	4.0	1.6					44.4	14.3
ESE		1.6	2.4	4.8	3.2	2.4	3.2					17.7	17.1
SE	.8		.8	.8	.8							3.2	10.8
SSE		.8		1.6	.8	.8						4.0	15.4
S				1.6	.8	1.6						4.0	18.8
SSW	.8											.8	1.0
SW													
WSW												.8	20.0
W					.8								
WNW													
NW													
NNW				1.6								1.6	14.0
VARBL													
CALM												4.8	
	4.8	11.3	20.2	24.2	20.2	9.7	4.8					100.0	13.2

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

MAR
MONTH

ALL WEATHER
CLASS

06
HOURS (L.E.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8	1.6									3.2	5.8
NNE													
NE	.8		1.6	1.6								4.0	9.2
ENE			.8	3.2	2.4	2.4	1.6					10.5	19.1
E	2.4	1.6	5.6	13.7	11.3	5.6	2.4					42.7	15.7
ESE		1.6	5.6	3.2	2.4	4.8	.8					18.5	15.7
SE			.8	1.6		.8						3.2	14.0
SSE				1.6	1.6		.8					4.0	19.2
S	.8											.8	3.0
SSW								.8				.8	36.0
SW													
WSW	.8											.8	1.0
W	.8	.8	.8									2.4	6.7
WNW													
NW			.8	.8								1.6	9.0
NNW		.8	.8									1.6	7.5
VARB													
CALM												5.6	
	6.5	5.6	18.5	25.8	17.7	13.7	5.6	.8				100.0	14.1

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

MAR
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	.8									1.6	6.5
NNE			.6									.8	10.0
NE	.8	.8	.8	1.6								4.0	9.2
ENE	.8	.8	.8	4.0	1.6	.8						8.9	12.9
E	2.4	4.0	4.0	16.9	10.5	3.2	.8					41.9	14.0
ESE		4.0	4.8	5.6	.8	1.6	.8					17.7	12.4
SE			3.2	4.8	1.6							9.7	12.8
SSE			1.6	.8								2.4	11.3
S		.8	.8	.8				.8				3.2	16.0
SSW	.8				.8			.8				2.4	18.3
SW													
WSW													
W		.8										.8	4.0
WNW			.8									.8	8.0
NW				.8								.8	12.0
NNW			.8									.8	10.0
VARBL													
CALM												4.0	
	4.8	12.1	19.4	35.5	15.3	5.6	1.6	1.6				100.0	12.5

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

MAR
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.8								.8	12.0
NNE		.8	.8									1.6	7.0
NE	.8				.8		.8					2.4	16.7
ENE		.8	3.2	.8	1.6	.8						7.3	12.6
E	2.4	2.4	8.9	12.9	13.7	3.2	4.0					47.6	15.3
ESE	1.6	1.6	2.4	4.0	3.2	1.6	1.6					16.1	14.3
SE		1.6	2.4	1.6								5.6	10.0
SSE		.8	.8	1.6	.8							4.0	11.6
S			.8	.8				.8				1.6	11.5
SSW			.8				.8					2.4	25.0
SW													
WSW	.8											.8	2.0
W					.8							.8	18.0
WNW													
NW			.8									.8	10.0
NNW				1.6								1.6	15.0
VARBL													
CALM												6.5	
	5.6	8.1	21.0	24.2	21.0	5.6	7.3	.8				100.0	13.4

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	1.4	.2								2.4	7.8
NNE		.6	.4									1.0	7.0
NE	.6	.2	.8	.8	.4		.2					3.0	11.1
ENE	.4	1.0	2.6	2.2	1.6	1.2	.4					9.5	13.4
E	2.4	3.0	6.5	14.1	11.9	4.0	2.2					44.2	14.8
ESE	.4	2.2	3.8	4.4	2.4	2.6	1.6					17.5	14.9
SE	.2	.4	1.8	2.2	.6	.2	.2					5.4	12.0
SSE		.4	.6	1.4	.8	.2	.2					3.6	14.7
S	.2	.2	.4	.8	.2	.4		.2				2.4	15.3
SSW	.4		.2		.2		.2	.6				1.6	20.9
SW													
WSW	.4											.4	1.5
W	.2	.4	.2		.4							1.2	9.3
WNW			.2									.2	8.0
NW			.4	.4								.8	10.0
NNW		.2	.4	.8								1.4	11.9
VARBL													
CALA												5.2	
	5.4	9.3	19.8	27.4	18.5	8.7	4.8	.8				100.0	13.3

TOTAL NUMBER OF OBSERVATIONS

496

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

APR

MONTH

ALL WEATHER

CLASS

00

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	.8	3.3	.8							8.3	10.1
NNE		.8		.8								1.7	9.0
NE	1.7			.8	.8							3.3	8.8
ENE		1.7	3.3	4.2	4.2	.8						14.2	14.0
E		6.7	5.8	8.3	5.0	5.8	1.7					33.3	14.1
ESE	.8	.8	1.7	3.3	.8							7.5	11.3
SE	1.7	.8		.8	.8							3.3	10.0
SSE		.8		1.7	.8		.8					4.2	16.0
S	1.7		.8	1.7	.8	.8						5.8	11.9
SSW		.8										.8	4.0
SW													
WSW													
W													
WNW			.8									.8	10.0
NW	.8					.8						1.7	12.5
NNW		.8										.8	5.0
VARBL													
CALM												14.2	
	8.3	14.2	13.3	25.0	14.2	8.3	2.5					100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

120

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

APR
MONTH

ALL WEATHER

CLASS

06
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8	1.7	1.7	.8							5.8	10.0
NNE		1.7										1.7	4.0
NE			.8		.8	.8						2.5	18.0
ENE		1.7	1.7	3.3	3.3	.8						10.8	13.9
E	1.7	2.5	7.5	5.8	8.3	3.3						29.2	14.0
ESE	.8	2.5	1.7	5.0	.8							10.8	10.5
SE		1.7	.8	2.5	.8	.8						6.7	13.6
SSE			1.7	.8	1.7		.8					4.2	14.0
S				1.7	.8							3.3	19.5
SSW													
SW	.8											.8	3.0
WSW	.8											.8	3.0
W	.8											.8	2.0
WNW		.8	.8									1.7	7.0
NW			.8									.8	7.0
NNW		1.7	.8	2.5								5.0	9.8
VARBL													
CALM												15.0	
	5.8	13.3	18.3	23.3	17.5	5.8	.8					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

120

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

APR
MONTH

ALL WEATHER

CLASS

12

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8		.8	1.7	.8							4.2	12.0
NNE	.8	.8										1.7	4.0
NE		1.7		.8	1.7							4.2	12.2
ENE	.8	.8	4.2	3.3	5.0	1.7						16.7	14.0
E	2.5	2.5	7.5	8.3	5.0	4.2	1.7					31.7	13.9
ESE	1.7		2.5	4.2	3.3							11.7	12.4
SE	.8		1.7	.8	.8							4.2	10.4
SSE	.8		.8	.8	.8							2.5	10.3
S		.8	.8	.8	.8	.8		.8				4.2	20.0
SSW	.8											.8	3.0
SW													
WSW													
W													
WNW		.8			.8							1.7	11.5
NW		.8										.8	5.0
NNW			.8									.8	7.0
VARBL													
CALM												15.0	
	9.2	8.3	18.3	20.0	20.0	6.7	1.7	.8				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

120

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

APR
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7		.8								4.2	6.0
NNE													
NE	.8	1.7		.8	.8							4.2	9.4
ENE	1.7	.8		3.3	1.7	.8						8.3	12.8
E	1.7	6.7	1.7	7.5	7.5	7.5	.8					33.3	15.3
ESE	.8	3.3	3.3	5.0	1.7	1.7						15.8	11.5
SE			.8	.8								1.7	11.0
SSE		.8	.8				.8					2.5	14.3
S	.8	.8		.8		1.7		.8				5.0	18.3
SSW	.8											.8	2.0
SW		.8	.8									1.7	7.0
WSW													
W													
WNW		.8	.8	.8								2.5	9.3
NW													
NNW			.8	.8								1.7	12.0
VARBL													
CALA												18.3	
	8.3	17.5	9.2	20.8	11.7	11.7	1.7	.8				100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

120

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	.8	1.9	.0							5.6	9.7
NNE	.2	.8		.2								1.2	5.7
NE	.6	.8	.2	.6	1.0	.2						3.5	11.6
ENE	.6	1.2	2.3	3.5	3.7	1.0						12.5	13.8
E	1.5	4.6	5.6	7.5	6.5	5.2	1.0					31.9	14.3
ESE	1.0	1.7	2.3	4.4	1.7	.4						11.5	11.5
SE	.6	.4	.8	1.2	.6	.2						4.0	11.7
SSE	.2	.4	.8	.6	.8		.4					3.3	14.0
S	.6	.4	.2	1.2	.6	.8	.2	.4				4.6	16.9
SSW	.4	.2										.6	3.0
SW	.2	.2	.2									.6	5.7
WSW	.2											.2	3.0
W	.2											.2	2.0
WNW		.6	.6	.2	.2							1.7	9.4
NW	.2	.2	.2		.2	.2						.8	9.3
NNW		.6	.6	.8								2.1	9.5
VARBL													
CALM												15.6	
	7.9	13.3	14.8	22.3	15.8	8.1	1.7	.4				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

480

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

MAY

MONTH

ALL WEATHER

CLASS

00

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6		.8								3.2	6.5
NNE	1.6											1.6	2.0
NE	2.4		.8		.8	.8						4.8	9.8
ENE	1.6	.8	.8	7.3	2.4	2.4						15.3	13.8
E	3.2	4.0	5.6	13.7	8.1	3.2	.8					38.7	13.4
ESE	.8	.8	1.6	2.4	.8							6.5	11.3
SE			.8		.8							1.6	14.0
SSE				1.6	.8	1.6						4.0	18.6
S		.8	1.6	.8	.8	.8						4.8	13.5
SSW				.8								.8	14.0
SW													
WSW	.8											.8	2.0
W													
WNW													
NW	.8	1.6										2.4	3.3
NNW		.8		.8								1.6	9.5
VARBL													
CALC												13.7	
	12.1	10.5	11.3	28.2	14.5	8.9	.8					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

124

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME MC MURDO STATION, ANTARCTICA 76 YEARS MAY MONTH 03 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		100.0										100.0	6.0
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
		100.0										100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

1

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

MAY

NORTH

ALL WEATHER

CLASS

06

MOUSE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.8	1.6								2.4	10.0
NNE	.8											.8	3.0
NE			1.6	.8								2.4	10.7
ENE	2.4	1.6	1.6	1.6	4.8							12.1	11.7
E		2.4	8.1	10.5	10.5	8.9	.8					41.1	15.7
ESE			6.5	1.6	.8	.8						9.7	11.7
SE				.8			.8					1.6	21.5
SSE		.8		1.6	.8	.8	.8					4.8	17.0
S		.8				.8	.8					2.4	19.0
SSW						.8						.8	25.0
SW	.8											.8	2.0
WSW													
W													
WNW			.8									.8	10.0
NW				.8		.8						1.6	17.0
NNW			.8									.8	7.0
VARBL													
CALM												17.7	
	4.0	5.6	20.2	19.4	16.9	12.9	3.2					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87501
STATION

MC MURDO STATION, ANTARCTICA

STATION NAME

76

YEARS

MAY
MONTH

09
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												100.0	
												100.0	.0

TOTAL NUMBER OF OBSERVATIONS

1

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

YEARS

MAY
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8		.8	1.6								3.2	10.3
NNE	.8	1.6			.8							3.2	7.0
NE	.8	.8	2.4									4.0	6.8
ENE	.8	.8	1.6	4.8	5.6	3.2						16.9	15.4
E	1.6	1.6	4.0	15.3	8.1	4.0	1.6					36.3	15.3
ESE		2.4	1.6	3.2								7.3	10.2
SE		.8	.8	2.4	1.6	.8						6.5	15.0
SSE	.8				2.4							3.2	15.8
S				.8	.8							1.6	16.0
SSW													
SW													
WSW													
W													
WNW													
NW						.8						.8	22.0
NNW	.8	.8	.8	.8								3.2	6.8
VARBL													
CALM												13.7	
	6.5	8.9	12.1	29.0	19.4	8.9	1.6					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

5702 SURFACE WINDS JAN 78

87601
STATION

MC MURDO STATION, ANTARCTICA

76

STATION NAME

YEARS

MAY
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL												100.0	
CALM												100.0	.0

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

MAY
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.6	.8	.8							3.2	12.3
NNE													
NE	.8	.8	1.6			.8						4.0	9.2
ENE		.8	2.4	5.6	5.6	2.4						16.9	15.4
E	.6	2.4	7.3	16.1	9.7	4.0						40.3	14.1
ESE			1.6	2.4	.8							4.8	13.2
SE				1.6		1.6						3.2	17.5
SSE			.8	.8	.8							2.4	14.7
S			.8	1.6	.8	.8						4.0	16.2
SSW	.6											.8	3.0
SW													
WSW													
W													
WNW			.8									.8	8.0
NW		.8	1.6									2.4	7.7
NNW													
VARBL													
CALM												16.9	
	2.4	4.8	18.5	29.0	18.5	9.7						100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

76

STATION NAME

YEARS

MAY
MONTH

ALL WEATHER

CLASS

21

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE			100.0									100.0	7.0
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
			100.0									100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

MAY

MONTH

ALL WEATHER

CLASS

ALL

MOORE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	.8	1.2	.2							3.2	9.5
NNE	.8	.4			.2							1.4	5.0
NE	1.0	.4	1.8	.2	.2	.4						4.0	8.9
ENE	1.2	1.0	1.6	4.8	4.6	2.0						15.2	14.3
E	1.4	2.6	6.2	13.8	9.0	5.0	.6					38.8	14.6
ESE	.2	.8	2.8	2.4	.6	.2						7.0	11.5
SE		.2	.4	1.2	.6	.6	.2					3.2	16.3
SSE	.2	.2	.2	1.0	1.2	.6	.2					3.6	16.8
S		.4	.6	.8	.6	.6	.2					3.2	15.7
SSW	.2			.2		.2						.6	14.0
SW	.2											.2	2.0
WSW	.2											.2	2.0
W													
WNW			.4									.4	9.0
NW	.2	.6	.4	.2		.4						1.8	9.9
NNW	.2	.4	.4	.4								1.4	7.6
VARBL												15.8	
CALM													
	6.2	7.6	15.6	26.2	17.2	10.0	1.4					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

500

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

JUN
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7		.8	.8	.8							4.2	9.4
NNE		2.5										2.5	5.3
NE	.8											.8	3.0
ENE	1.7	.8	.8	2.5	2.5	1.7						10.1	14.1
E	1.7	2.5	5.9	10.1	10.1	2.5						32.8	14.1
ESE	1.7	2.5	2.5	5.0	1.7		.8	.8				12.6	15.1
SE		2.5	1.7	2.5	.8	.8						8.4	12.2
SSE	.8			3.4	2.5							6.7	14.1
S			.8	2.5		3.4	.8					7.6	20.9
SSW					.8							.8	20.0
SW													
WSW	1.7											1.7	2.0
W													
WNW													
NW													
NNW		.8										.8	4.0
VARBL													
CALM												10.9	
	10.1	9.2	12.6	26.9	19.3	8.4	1.7	.8				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS

119

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

JUN

NORTH

ALL WEATHER

CLASS

06

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			2.5									2.5	7.7
NNE	.8			.8								1.7	7.5
NE		1.7										1.7	4.5
ENE			.8	1.7	.8		.8	.8				5.0	19.3
E	.8	2.5	4.2	14.3	6.7	5.0						33.6	14.9
ESE		.8	1.7	10.1	3.4	.8	.8					17.6	14.5
SE		1.7	1.7	3.4		.8	.8					8.4	13.6
SSE				3.4	.8		1.7					5.9	18.9
S				1.7	.8	1.7						4.2	19.4
SSW							.8					.8	30.0
SW													
WSW													
W													
WNW													
NW		.8										.8	4.0
NNW													
VARBL													
CALM												17.6	
	1.7	7.6	10.9	35.3	12.6	8.4	5.0	.8				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS

119

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

JUN
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	.8									2.5	6.7
NNE					.8							.8	17.0
NE		2.5										2.5	5.0
ENE	.8	.8	1.7	1.7	2.5	1.7	.8					10.0	15.0
E	.8	.8	.8	11.7	11.7	.8	.8					27.5	16.0
ESE		.8	3.3	4.2	5.0	.8						14.2	14.4
SE	1.7	1.7	1.7	5.0	1.7	.8						12.5	11.9
SSE	.8		1.7	2.5	2.5	.8						8.3	14.9
S		.8			1.7	.8	3.3					5.8	23.4
SSW												.8	24.0
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												15.0	
	4.2	9.2	10.0	25.0	25.8	5.8	5.0					100.0	12.7

TOTAL NUMBER OF OBSERVATIONS

120

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601

STATION

MC MURDO STATION, ANTARCTICA

STATION NAME

73-76

YEARS

JUN

MONTH

18

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8			.8							1.7	11.0
NNE				1.7								1.7	13.5
NE	.8	.8	.8		1.7	.8						5.1	12.7
ENE	.8	2.5		1.7	1.7	2.5						9.3	14.2
E	.8	.8	8.5	6.8	7.6	3.4						28.0	14.3
ESE		.8	4.2	5.1	2.5			.8				13.6	14.3
SE				2.5	2.5	2.5						7.6	17.9
SSE	.8	.8		.8	.8	.8						4.2	12.6
S			.8	.8	1.7	1.7	1.7	.8				6.8	21.6
SSW			.8									1.7	23.5
SW												.8	5.0
WSW		.8											
W													
WNW													
NW													
NNW													
VARBL												19.5	
CALM												100.0	12.1
	3.4	7.6	15.3	19.5	19.5	11.9	1.7	1.7					

TOTAL NUMBER OF OBSERVATIONS

118

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	1.1	.2	.4							2.7	8.6
NNE	.2	.6		.6	.2							1.7	9.4
NE	.4	1.3	.2		.4	.2						2.5	8.6
ENE	.8	1.1	.8	1.9	1.9	1.5	.4	.2				8.6	15.1
E	1.1	1.7	4.8	10.7	9.0	2.9	.2					30.5	14.8
ESE	.4	.6	2.9	6.1	3.2	.4	.4	.4				14.5	14.6
SE	.4	1.5	1.3	3.4	1.3	1.3	.2					9.2	13.6
SSE	.6	.2	.4	2.5	1.7	.4	.4					6.3	15.2
S		.2	.4	1.3	1.1	1.7	1.5					6.1	21.4
SSW			.2		.2	.2	.2	.2				1.1	24.2
SW												.6	3.0
WSW	.4	.2											
W													
WNW													
NW		.2										.2	4.0
NNW		.2										.2	4.0
VARBL													
CALM												15.8	
	4.8	8.4	12.2	26.7	19.3	8.6	3.4	.8				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS

476

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
87601

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

JUL
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.6		.8								2.4	7.0
NNE	.8	.8		.8								2.4	7.0
NE	1.6											1.6	3.0
ENE	1.6	.8	.8	1.6	1.6	.8						7.3	12.1
E	.8	1.6	2.4	4.0	6.5	6.5	.8					22.6	17.4
ESE		.8	4.8	6.5	2.4	.8						15.3	12.7
SE		3.2	2.4	2.4	.8							8.9	9.9
SSE		2.4	1.6	.8		.8	.8					6.5	12.8
S		.8	2.4	1.6		4.0	1.6	.8				11.3	20.1
SSW		.8				2.4	.8					4.0	20.6
SW	.8											.8	3.0
WSW													
W			.8									.8	10.0
WNW		.8										.8	4.0
NW													
NNW	.8											.8	2.0
VARBL													
CALM												14.5	
	6.5	13.7	15.3	18.5	11.3	15.3	4.0	.8				100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

124

AD-A063 829

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C

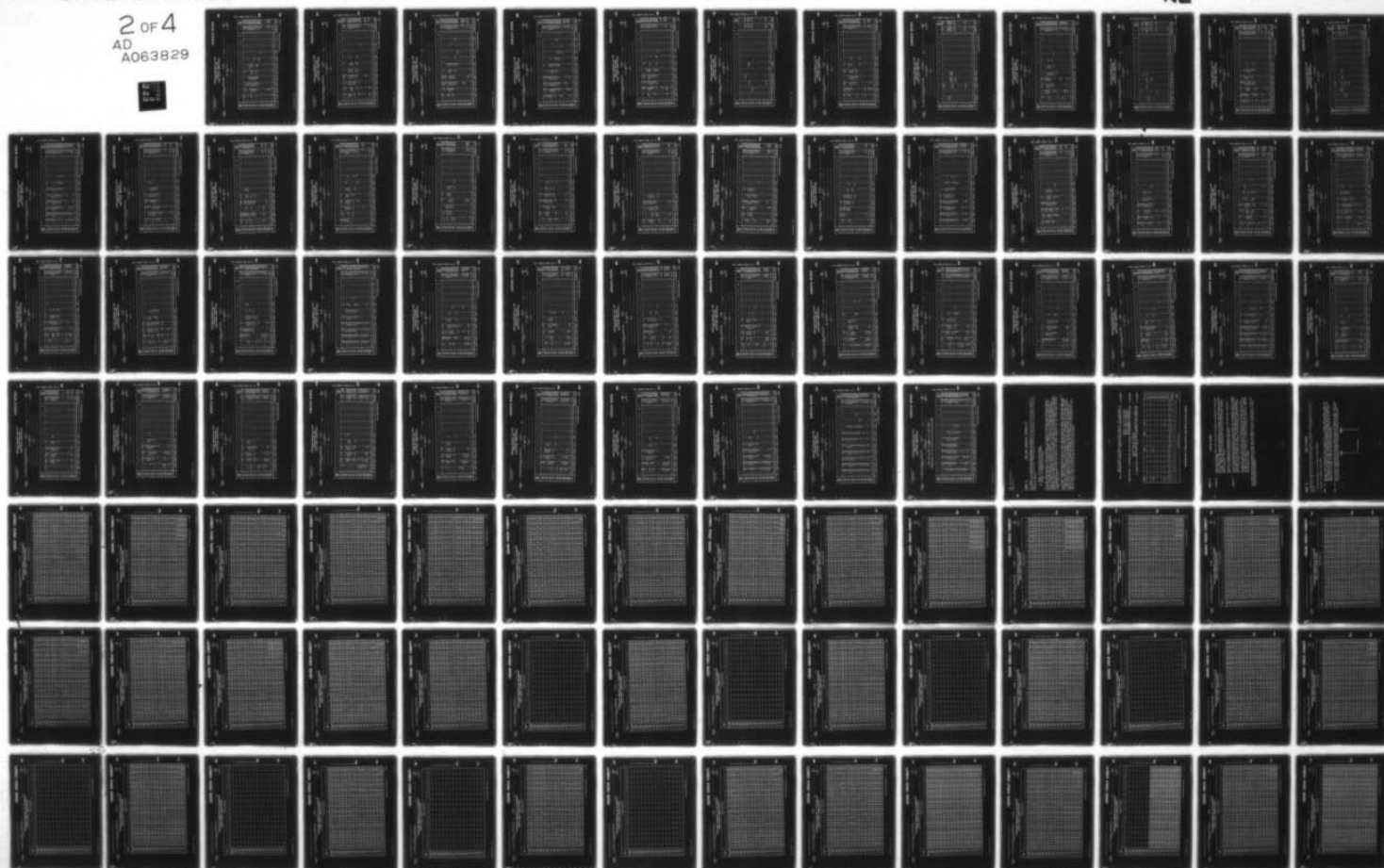
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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), MCMURDO--ETC(U)
JUL 78

UNCLASSIFIED

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2 OF 4
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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

JUL
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6											1.6	2.5
NNE		.8	1.6		.8							3.2	10.0
NE			1.6									1.6	9.0
ENE			.8	1.6		1.6						4.0	16.6
E	.8	4.0	2.4	7.3	4.8	5.6						25.0	15.0
ESE		.8	2.4	9.7	3.2	1.6						17.7	14.2
SE		3.2	4.8	4.0		.8	.8					12.9	10.6
SSE		.8	1.6	3.2	2.4	.8	.8					8.9	14.3
S			1.6	.8	1.6	1.6	2.4	.8				4.8	19.2
SSW								.8				2.4	30.7
SW												.8	35.0
WSW													
W													
WNW													
NW		.8										.8	4.0
NNW		.8										.8	4.0
VARBL													
CALM												15.3	
	2.4	11.3	16.9	26.6	11.2	11.3	4.0	.8				100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

JUL
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				3.2		.8						4.0	13.8
NNE	.8	.8	1.6	.8								4.0	8.0
NE													
ENE	1.6		2.4	.8	1.6							6.3	10.3
E	1.6	3.2	3.2	6.5	7.3	7.3	.8					29.8	16.0
ESE		1.6	1.6	8.9	4.0	2.4						18.5	14.7
SE	.8		1.6	.8								3.2	7.3
SSE			4.0	1.6	2.4	.8						8.9	14.0
S		.8		.8	2.4	1.6	.8					6.3	19.5
SSW	.8		.8						.8			1.6	5.5
SW												.8	42.0
WSW													
W													
WNW				.8								.8	15.0
NW													
NNW	1.6	.8										2.4	3.0
VARBL													
CALM												12.9	
	7.3	7.3	15.3	24.2	17.7	12.9	1.6		.8			100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

JUL
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8		2.4	1.6								4.8	8.5
NNE		.8	1.6	.8	.8							4.0	11.0
NE			.8	2.4								3.2	11.0
ENE	.8	.8	1.6			.8						4.0	10.2
E	.8	4.0	2.4	6.5	9.7	4.8						28.2	15.4
ESE		1.6	4.8	4.0	5.6	.8						16.9	13.9
SE	.8	.8	1.6	2.4		.8						6.3	10.9
SSE			1.6	3.2	.8	.8	.8			.8		6.5	14.6
S			.8		.8	.8		1.6				4.0	26.0
SSW						.8						2.4	32.3
SW													
WSW													
W			.8									.8	10.0
WNW			.8									.8	8.0
NW				1.6								1.6	12.5
NNW													
VARBL													
CALM												16.1	
	3.2	8.1	19.4	22.6	17.7	9.7	.8	1.6		.8		100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

JUL

MONTH

ALL WEATHER

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.4	.6	1.4		.2						3.2	9.1
NNE	.4	.8	1.2	.6	.4							3.4	9.2
NE	.4		.6	.6								1.6	8.5
ENE	1.0	.4	1.4	1.0	.8							5.4	12.0
E	1.0	3.2	2.6	6.0	7.1	6.0	.4					26.4	15.9
ESE		1.2	3.4	7.3	3.8	1.4						17.1	13.9
SE	.4	1.8	2.6	2.4	.2	.2						7.9	10.1
SSE		.8	2.2	2.2	1.4	.8	.2					7.7	14.0
S		.4	1.2	.8	.8	2.0	1.0	.2		.2		6.7	20.7
SSW	.2	.2	.2			.8	.8	.4				2.6	23.3
SW	.2							.2	.2			.6	26.7
WSW													
W			.4									.4	10.0
WNW		.2	.2	.2								.6	9.0
NW		.2										.2	4.0
NNW	.6	.4		.4								1.4	5.7
VARBL													
CALM												14.7	
	4.8	10.1	16.7	23.0	14.5	12.3	2.6	.8	.2	.2		100.0	12.2

TOTAL NUMBER OF OBSERVATIONS

496

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
67601

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

AUG
MONTH

ALL WEATHER
CLASS

00
MOUSE (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.8	.8	2.4								4.0	10.0
NNE		.8	.8	1.6		.8						4.0	13.2
NE			.8		.8							1.6	14.5
ENE	1.6	1.6	.8	1.6	2.4							8.1	10.4
E		3.2	8.9	11.3	8.9	3.2						35.5	14.3
ESE		.8	3.2	4.0	.8							8.9	11.4
SE		.8	2.4	.8								4.0	9.8
SSE	.8		.8	2.4	1.6							5.6	13.7
S		.8	2.4	.8	2.4	1.6	.8	.8				8.9	16.8
SSW					.8							1.6	28.5
SW												.8	4.0
WSW		.8										.8	6.0
W												2.4	4.3
WNW		.8											
NW	.8	1.6											
NNW													
VARBL													
CALM												13.7	
	3.2	12.1	21.0	25.0	17.7	5.6	.8	.8				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-74, 76

STATION NAME

YEARS

AUG
MONTH

ALL WEATHER

CLASS

03

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE				16.7								16.7	15.0
E													
ESE			16.7			33.3						50.0	20.0
SE													
SSE		16.7										16.7	5.0
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW			16.7									16.7	8.0
VARBL												.0	
CALM													
		16.7	33.3	16.7		33.3						100.0	14.7

TOTAL NUMBER OF OBSERVATIONS

6

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA 73-76

STATION NAME

AUG
MONTH

06
HOURS (L.S.T.)

YEARS

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	4.9		1.6	.8						9.8	10.3
NNE		.8	.8		.8							2.5	11.0
NE	.8	1.6				.8						3.3	8.8
ENE	.8	.8	1.6	1.6	3.3	2.5						10.7	14.8
E		.8	6.6	10.7	9.8	4.1	1.6					33.6	16.2
ESE			.8	3.3	2.5							6.6	15.1
SE			.8	4.1	.8							5.7	13.7
SSE	.8		.8	2.5	2.5							6.6	14.0
S				.8		.8	.8					.8	12.0
SSW												1.6	27.5
SW													
WSW													
W	.8	.8										1.6	2.5
WNW													
NW		.8										.8	4.0
NNW		.8	.8									1.6	7.0
VARBL													
CALM												14.8	
	4.1	8.2	17.2	23.0	21.3	9.0	2.5					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS

122

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-74, 76

STATION NAME

YEARS

AUG
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			10.0									10.0	10.0
NNE													
NE													
ENE	10.0											10.0	2.0
E				10.0	10.0							20.0	15.5
ESE			10.0	20.0	10.0							40.0	13.3
SE													
SSE				10.0								10.0	16.0
S													
SSW													
SW													
WSW													
W			10.0									10.0	7.0
WNW													
NW													
NNW													
VARBL												.0	
CALM													
	10.0		30.0	40.0	20.0							100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

10

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

AUG
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8		1.6	.8			.8					4.0	11.6
NNE					.8							.8	17.0
NE		1.6		1.6								3.2	10.0
ENE		1.6	2.4	1.6	4.8	.8						11.3	14.6
E	2.4	1.6	4.8	8.9	12.1	4.8	.8					35.5	15.3
ESE			1.6	2.4	1.6	2.4						8.1	15.9
SE			.8		2.4		.8					4.0	19.0
SSE		.8	.8		2.4	.8		.8				5.6	18.7
S		.8			.8							1.6	12.5
SSW	.8				.8							1.6	11.0
SW													
WSW				.8								.8	15.0
W	.8											.8	2.0
WNW		.8										.8	4.0
NW		.8	.6									1.6	8.0
NNW		.8		.8								1.6	8.5
VARBL													
CALA												18.5	
	4.8	8.9	12.9	16.9	25.8	8.9	2.4	.8				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-74, 76

YEARS

AUG
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE					8.3							8.3	18.0
ENE													
E			25.0	16.7	16.7							58.3	13.6
ESE	8.3											8.3	2.0
SE													
SSE				8.3								8.3	14.0
S													
SSW													
SW		8.3										8.3	5.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												8.3	
	8.3	8.3	25.0	25.0	25.0							100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

12

DIRNA VOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
87601

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

AUG

MONTH

ALL WEATHER

CLASS

18

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.4	.8	.8	.8							4.8	9.3
NNE	.8	.8		.8								2.4	8.0
NE	1.6	.8		.8	1.6	.8						5.6	11.9
ENE	.8	.8	1.6	2.4	2.4	.8						8.9	12.7
E	.8	4.0	4.8	10.5	11.3	2.4	.8					34.7	14.5
ESE			2.4	4.0	.8	1.6						8.9	14.1
SE		.8		2.4	1.6	.8						4.8	17.0
SSE		.8		2.4	.8	.8	.8					5.6	16.3
S		.8	.8	1.6		.8						4.0	14.0
SSW	.8	.8	.8									2.4	5.7
SW					.8							.8	20.0
WSW													
W													
WNW	.8	.8										1.6	3.0
NW													
NNW	.8		.8		.8							2.4	10.3
VARBL												12.9	
CALM												100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76,76

STATION NAME

YEARS

AUG
MONTH

ALL WEATHER

CLASS

21

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				8.3								8.3	11.0
NNE													
NE													
ENE			8.3									8.3	8.0
E			8.3	16.7	8.3	8.3						41.7	16.4
ESE													
SE		8.3		8.3								16.7	7.5
SSE													
S				8.3								8.3	14.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												16.7	
		8.3	16.7	41.7	8.3	8.3						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

12

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.1	2.1	1.1	.6	.2	.2					5.6	10.3
NNE	.2	.6	.4	.6	.4	.2						2.2	11.7
NE	.6	.9	.2	.6	.7	.4						3.4	11.4
ENE	.9	1.1	1.7	1.9	3.0	.9						9.6	13.1
E	.7	2.2	6.6	10.5	10.5	3.6	.7					34.8	15.1
ESE	.2	.2	2.2	3.6	1.5	1.3						9.0	14.1
SE	.4	.4	.9	1.9	1.1	.2	.2					4.7	14.3
SSE	.4	.6	.6	2.1	1.7	.4	.2	.2				6.0	15.3
S	.4	.6	.7	.9	.7	.6	.2	.2				3.7	15.3
SSW	.4	.2	.2	.4	.4	.2	.2	.2				1.7	16.8
SW	.2	.2										.2	5.0
WSW	.2	.2		.2	.2							.6	13.0
W	.4	.2										.6	2.3
WNW	.2	.6	.2									.9	4.6
NW	.2	.7	.2									1.1	5.5
NNW	.2	.4	.6	.2	.2							1.5	8.8
VARBL													
CALM												14.4	
	4.7	10.1	16.5	23.4	21.0	7.9	1.7	.4				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

534

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

5702 SURFACE WINDS JAN 78

97601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

SEP

MONTH

ALL WEATHER

CLASS

00

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8		1.7	.8	1.7							5.0	11.5
NNE			.8	.8								1.7	11.0
NE	.8	1.7	.8		1.7							5.0	9.5
ENE		.8					.8					10.8	17.5
E	2.5	5.0	4.2	7.5	4.2	2.5						27.5	12.8
ESE		2.5	.8	3.3	1.7	.8						9.2	12.2
SE	.8	.8	3.3	2.5	1.7	1.7						10.8	12.5
SSE	.8	.8	2.5		1.7	.8						5.0	13.3
S	.8	.8	.8	1.7	.8							5.0	10.5
SSW		.8										.8	6.0
SW													
WSW												.8	8.0
W			.8										
WNW													
NW													
NNW		.8	.8									1.7	7.0
VARBL													
CALM												15.8	
	6.7	13.3	16.7	21.7	15.0	10.0	.8					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

120

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

SEP
MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.2	2.8		2.8	1.4							11.3	8.0
NNE		1.4										1.4	5.0
NE		1.4		1.4								2.8	10.0
ENE	1.4	2.8	1.4	1.4	4.2	1.4						12.7	13.7
E		2.8		12.7	4.2	5.6						25.4	15.2
ESE	1.4			9.9								11.3	11.8
SE		1.4	1.4	2.8	1.4							7.0	13.2
SSE		1.4		1.4								2.8	8.0
S		1.4		1.4	1.4							4.2	13.0
SSW													
SW													
WSW													
W													
WNW	1.4	1.4	1.4									4.2	4.7
NW													
NNW				1.4								1.4	11.0
VARBL												15.5	
CALM												100.0	10.2
	8.5	16.9	4.2	35.2	12.7	7.0							

TOTAL NUMBER OF OBSERVATIONS

71

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

SEP
MONTH

06

HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8			2.5	.8							4.2	11.2
NNE	.8	2.5										3.3	4.0
NE	1.7		.8									2.5	4.3
ENE	1.7		3.3	2.5	4.2	1.7	.8					14.2	14.8
E	3.3	.8	4.2	10.0	5.0	6.7		.8				30.8	15.4
ESE			5.0	3.3		2.5						10.8	13.5
SE					.8							.8	17.0
SSE		1.7	1.7	1.7	.8			.8				6.7	14.6
S						1.7		.8				1.7	24.5
SSW							.8					1.7	36.5
SW				.8			.8					1.7	21.5
WSW													
W													
WNW			.8									.8	8.0
NW													
NNW													
VARBL													
CALM												20.8	
	8.3	5.0	15.8	20.8	11.7	12.5	2.5	2.5				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

120

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

SEP

MONTH

ALL WEATHER

CLASS

09

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				1.4	1.4							2.7	15.0
NNE	2.7	1.4										4.1	3.3
NE			1.4									1.4	7.0
ENE	2.7	1.4	1.4		6.8	2.7						14.9	15.3
E		4.1	9.5	4.1	5.4	4.1						27.0	13.4
ESE		1.4	1.4	5.4	2.7	1.4						12.2	13.7
SE	1.4		1.4	2.7								5.4	10.0
SSE	1.4					2.7	1.4					5.4	20.3
S													
SSW													
SW													
WSW													
W													
WNW													
NW				1.4								1.4	16.0
NNW				1.4								1.4	11.0
VARBL													
CALM												24.3	
	8.1	8.1	14.9	16.2	16.2	10.8	1.4					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

74

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
87601

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

SEP

MONTH

ALL WEATHER

CLASS

12

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.5		.8	.8							4.2	9.4
NNE	1.7		.8	.8	.8							4.2	9.2
NE		.8	.8	5.0	1.7	.8						9.2	14.5
ENE		3.3	4.2	8.3	5.8	1.7	1.7					25.0	14.8
E	1.7	1.7	3.3	1.7	1.7		.8					10.8	11.4
ESE	.8		.8	2.5	.8	1.7						5.8	15.3
SE			.8	1.7	.8		.8					4.2	17.0
SSE	.8	.8	1.7	.8	1.7	1.7						5.8	15.1
S		.8	1.7	.8	1.7		.8					2.5	7.0
SSW	.8	.8		.8								1.7	17.5
SW	.8												
WSW													
W													
WNW													
NW													
NNW		2.5		.8	.8							4.2	10.4
VARBL												22.5	
CALM												100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

120

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

YEARS

SEP
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4			1.4								2.8	8.0
NNE			2.8	1.4								4.2	10.3
NE				1.4								1.4	15.0
ENE	1.4		1.4	4.2	4.2							11.1	13.8
E	2.8		2.8	6.9	2.8							15.3	11.7
ESE	2.8	5.6	4.2	6.9	2.8							22.2	9.8
SE			1.4	1.4	1.4							4.2	13.3
SSE		1.4	2.8	1.4								5.6	9.3
S		1.4	1.4		1.4							4.2	11.7
SSW	1.4											1.4	2.0
SW													
WSW													
W													
WNW													
NW													
NNW	1.4	1.4		2.8								5.6	9.3
VARBL													
CALM												22.2	
	11.1	9.7	16.7	27.8	12.5							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

72

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

YEARS

SEP
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.5	.8	.8								4.2	7.0
NNE			.8	.8		.8						2.5	13.3
NE	.8			2.5	.8							4.2	13.0
ENE	1.7	.8		1.7	1.7	1.7						7.5	13.6
E		1.7	6.7	7.5	2.5	5.8						24.2	14.4
ESE		2.5	4.2	8.3	.8	1.7						17.5	13.0
SE			2.5	.8	.8	1.7						5.8	15.6
SSE	1.7		.8	2.5	2.5							7.5	12.8
S			.8	1.7	.8		.8					2.5	16.3
SSW				.8								1.7	23.5
SW													
WSW													
W													
WNW													
NW	1.7			.8								2.5	5.7
NNW	1.7		.8									2.5	4.3
VARBL													
CALM												17.5	
	7.5	7.5	16.7	28.3	10.0	11.7	.8					100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

120

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

SEP
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	5.5	2.7								9.6	9.4
NNE	1.4	1.4	1.4									4.1	4.7
NE		1.4	1.4	2.7	1.4							6.8	11.4
ENE			1.4	2.7	1.4							5.5	14.0
E			4.1	6.8	5.5	6.8						23.3	16.8
ESE	1.4		6.8	6.8	1.4		1.4					17.8	12.4
SE					1.4							1.4	18.0
SSE				4.1	1.4	1.4						5.5	15.8
S					1.4		1.4					2.7	25.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW		2.7										2.7	5.5
VARBL												20.5	
CALM												100.0	10.7
	2.7	6.8	20.5	26.0	12.3	8.2	2.7						

TOTAL NUMBER OF OBSERVATIONS

73

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

5702 SURFACE WINDS JAN 78

0000

0000

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

SEP

NORTH

ALL WEATHER

CLASS

ALL

MOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.2	.9	1.6	.8							5.2	9.6
NNE	.5	.8	.6	.4		.1						2.5	7.6
NE	.8	.5	.6	1.0	.6							3.6	10.0
ENE	1.0	.8	1.2	3.0	3.0	1.4	.3					10.6	14.9
E	1.2	2.3	4.5	8.1	4.4	4.4	.3	.1				25.3	14.4
ESE	.8	1.7	3.2	5.3	1.3	.9	.3					13.5	12.2
SE	.4	.3	1.3	1.6	1.0	.8						5.3	13.6
SSE	.5	.5	1.2	1.6	.9	.5	.3	.1				5.6	14.1
S	.3	.4	.5	.6	.9	.5	.1					3.4	15.0
SSW	.3	.3		.3			.3	.1				1.2	16.6
SW	.1			.1			.3					.5	19.5
WSW													
W			.1									.1	8.0
WNW	.1	.1	.3									.5	5.5
NW	.3			.3								.5	8.3
NNW	.4	.9	.3	.6	.1							2.3	8.3
VARBL													
CALM												19.7	
	7.4	9.7	14.8	24.4	13.1	8.7	1.7	.4				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

770

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

0CT
MONTH

ALL WEATHER
CLASS

00
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4		2.4	.8	.8							6.5	8.4
NNE		1.6	.8	.8								3.2	7.8
NE	.8	1.6	.8	.8								3.2	7.8
ENE	.8	.8	.8	4.0	2.4	3.2						12.1	16.1
E	.8	2.4	7.3	8.1	1.6	.8						21.0	10.8
ESE		.8	1.6	8.1	3.2	1.6						15.3	14.4
SE	.8		3.2	2.4		.8						7.3	11.4
SSE	.8	.8	.8	.8	.8							3.2	10.0
S		.8	1.6	2.4	.8		.8					6.5	15.0
SSW		.8	.8		.8	.8						3.2	14.0
SW													
WSW													
W			.8									.8	10.0
WNW													
NW													
NNW			.8									.8	9.0
VARBL													
CALM												16.9	
	6.5	8.1	21.8	28.2	10.5	7.3	.8					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

124

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

OCT
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.4	1.6	1.6								6.5	7.1
NNE	.8	.8		.8								2.4	6.7
NE	.8			.8								1.6	7.5
ENE	2.4	.8		1.6	2.4	.8						8.1	11.8
E		1.6	7.3	4.8	4.8	2.4						21.0	13.5
ESE		1.6	4.8	4.8	2.4	.8						14.5	12.3
SE	.8	.8	1.6	3.2	1.6							8.1	11.3
SSE	.8		.8	1.6	.8	1.6						5.6	14.6
S	.8	.8		4.0	.8		.8					7.3	15.0
SSW					.8							.8	18.0
SW													
WSW			.8									.8	10.0
W	.8											.8	3.0
WNW													
NW													
NNW			1.6									1.6	8.0
VARB													
CALM												21.0	
	8.1	8.9	18.5	23.4	13.7	5.6	.8					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

124

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

OCT
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	.9	.9								1.7	8.0
NNE	.9		.9	.9								2.6	8.0
NE	.9		.9		.9	.9						2.6	16.0
ENE	.9			2.6	.9	.9	1.7					6.9	18.8
E	1.7	1.7	4.3	13.8	1.7	2.6						21.6	12.4
ESE	.9	2.6	5.2	4.3								16.4	11.1
SE	.9	.9	.9	.9								2.6	6.3
SSE	1.7	1.7	2.6	.9	.9	.9		.9				6.9	14.3
S	.9		1.7	1.7	2.6	.9						7.8	14.9
SSW				.9		.9						1.7	19.5
SW	.9											.9	2.0
WSW													
W													
WNW													
NW	.9						.9					1.7	15.5
NNW		.9	4.3	.9								6.0	8.3
VARBL													
CALM												20.7	
	6.9	8.6	19.8	26.7	6.9	6.9	2.6	.9				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

116

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

STATION NAME

73-76

YEARS

UCT

MONTH

12

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.6	1.6	1.6	.8							5.6	10.6
NNE							.8					.8	30.0
NE		.8	1.6		.8	.8						4.0	12.2
ENE			.8	2.4	.8	1.6	.8					6.5	17.8
E			6.1	8.9	4.8	.8						22.6	13.4
ESE		1.6	1.6	4.8	5.6	.8						14.5	14.8
SE		1.6	1.6	.8		.8						4.8	9.6
SSE		.8	.8	3.2	.8	.8						6.5	13.6
S		.8	2.4	1.6	.8		.8					6.5	13.9
SSW					1.6							1.6	19.0
SW				.8								.8	12.0
WSW													
W	.8			.8								1.6	8.0
WNW	.8	.8										1.6	3.0
NW		.8	.8	.8								2.4	8.7
NNW	.8		1.6									2.4	5.7
VARBL													
CALM												17.7	
	2.4	8.9	21.0	25.8	16.1	5.6	2.4					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

UCT
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.9	2.6	.9	.9							5.2	11.0
NNE		.9	.9				.9					2.6	13.0
NE	.9		1.7	.9								3.4	7.5
ENE	.9		4.3	.9	2.6	.9						9.5	12.4
E		2.6	7.8	7.8	7.8	.9						25.9	13.1
ESE		3.4	1.7	3.4	2.6	.9						12.1	12.6
SE			2.6	3.4	.9							6.9	12.5
SSE		1.7	1.7	1.7	.9	.9						6.9	12.8
S		.9	.9	1.7	1.7	.9						4.3	15.6
SSW				.9								.9	14.0
SW													
WSW													
W	.9	1.7										2.6	3.3
WNW	.9			.9								1.7	9.0
NW		.9										.9	5.0
NNW		1.7	.9									2.6	6.0
VARBL													
CALM												14.7	
	3.4	14.7	25.0	20.7	17.2	3.4	.9					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

116

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEAR

OCT
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.8	1.6	1.6								4.8	8.0
NNE		.8		.8								1.6	12.0
NE			.8	.8								1.6	12.5
ENE	.8	.8	1.6	1.6	2.4							7.3	12.1
E	.8		4.8	9.7	6.5	2.4						24.2	14.5
ESE		3.2	3.2	9.7		1.6						17.7	12.2
SE	.8		.8	2.4	.8	.8						5.6	13.4
SSE			.8	.8	.8	.8						3.2	15.5
S		.8	1.6	1.6	1.6	.8						6.5	14.8
SSW	.8	.8		.8		.8						3.2	11.0
SW													
WSW		.8	.8	1.6								3.2	10.5
W	1.6											1.6	2.5
WNW	.8											.8	2.0
NW	.8	.8	.8									2.4	5.0
NNW			.8									.8	7.0
VARB													
CALM												15.3	
	7.3	8.9	17.7	30.6	12.9	7.3						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
87601

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

MONTH
OCT

ALL WEATHER
CLASS

HOURS (L.S.T.)
21

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.6	1.7	.9								5.2	8.3
NNE		.9	.9									1.7	7.5
NE		1.7	2.6									4.3	7.4
ENE		.9	3.4	2.6	1.7	1.7	.9					11.2	14.9
E	2.6	.9	5.2	11.2	2.6	.9	.9					23.3	12.0
ESE			6.0	5.2	2.6	.9						14.7	13.4
SE			.9	1.7	.9							3.4	14.5
SSE			1.7	1.7	.9	2.6						6.9	16.9
S			1.7	1.7	2.6							4.3	16.2
SSW	.9			.9	1.7							2.6	12.7
SW												.9	16.0
WSW	.9											.9	2.0
W		1.7										1.7	4.0
WNW		1.7										1.7	4.5
NW	.9	1.7										2.6	3.7
NNW		.9		.9								1.7	8.0
VARBL													
CALM												12.9	
	5.2	12.9	22.4	26.7	12.9	5.2	1.7					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

116

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.4	1.8	1.3	.3							5.3	8.8
NNE	.2	.6	.4	.3	.2		.2					2.0	10.6
NE	.4	.3	1.1	.5	.2							2.8	9.9
ENE	1.0	.5	1.4	2.2	1.9	1.4	.4					8.8	14.4
E	.8	1.5	6.4	8.8	4.6	.9	.1					23.0	12.7
ESE	.3	1.8	3.5	5.5	2.3	1.1						14.6	12.8
SE	.4	.4	1.8	2.4	.5	.3						5.8	11.6
SSE	.2	.8	1.3	1.4	.7	1.0	.1	.1				5.6	14.0
S	.2	.7	1.0	2.1	1.5	.3	.3					6.2	14.7
SSW	.2	.2	.1	.3	.6	.3	.1					1.9	15.3
SW				.2								.2	14.0
WSW	.2	.1	.2	.2	.1							.8	9.3
W	.5	.5	.1	.1								1.3	4.8
WNW	.3	.4	.1	.1								.9	5.2
NW	.3	.5	.2	.1			.1					1.3	7.3
NNW	.1	.4	1.4	.2								2.1	7.5
VARBL													
CALM												17.4	
	5.9	10.2	20.8	25.7	12.9	5.6	1.4	.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

959

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

STATION NAME

73-76

YEARS

NOV

MONTH

ALL WEATHER
CLASS

00

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8	2.5	3.3								7.5	9.6
NNE		.8										.8	6.0
NE		.8	4.2		.8							5.8	9.7
ENE		1.7		6.7	1.7							10.0	13.4
E	.8	.8	6.7	15.0	4.2	.8						28.3	13.2
ESE			3.3	1.7	.8							5.8	11.6
SE	.8		1.7	1.7			.8					5.0	12.8
SSE		.8		1.7								2.5	9.7
S		.8		1.7	.8	1.7						5.0	16.0
SSW			.8	.8								1.7	11.0
SW													
WSW													
W			.8				.8					1.7	18.5
WNW	.8	.8										1.7	4.0
NW	.8	1.7										2.5	4.3
NNW	.8	1.7	1.7	3.3								7.5	9.6
VARBL													
CALM												14.2	
	5.0	10.8	21.7	35.8	8.3	2.5	1.7					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

120

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

NOV
MONTH

ALL WEATHER

CLASS

03

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			4.2	2.5								6.7	10.0
NNE	.8											.8	2.0
NE	.8	.8										1.7	4.0
ENE			1.7	4.2	5.0							10.9	15.0
E		1.7	9.2	10.1	2.5	.8						24.4	12.6
ESE	1.7	2.5	4.2	4.2	2.5	.8						16.0	11.3
SE			.8	.8	.8	.8						2.5	16.3
SSE				3.4	.8	.8						5.0	14.8
S				1.7								1.7	13.0
SSW													
SW													
WSW			.8			.8						1.7	16.0
W													
WNW	.8											.8	2.0
NW	.8	1.7	1.7									4.2	5.6
NNW	.8	3.4	1.7	2.5								8.4	8.4
VAEBL													
CALA												15.1	
	5.9	10.1	24.4	29.4	10.9	4.2						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

119

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

YEARS

NOV
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	3.3	2.5	.8							7.5	10.7
NNE			.8	.8								1.7	12.0
NE	.8		.8	1.7	.8							4.2	10.6
ENE			2.5	5.0	2.5							10.0	13.4
E	.8	2.5	10.8	10.0	.8	.8						25.8	11.1
ESE		.8	.8	3.3	1.7							6.7	12.9
SE		1.7	.8	2.5	1.7							6.7	12.6
SSE				1.7	1.7	1.7						5.0	18.0
S	.8			.8	.8	.8	.8					3.3	17.0
SSW					.8							.8	20.0
SW												1.7	2.5
WSW	.8	.8											
W													
WNW	.8			.8								1.7	8.0
NW	2.5											2.5	2.7
NNW	1.7	1.7	4.2									7.5	6.4
VARBL													
CALM												15.0	
	8.3	8.3	24.2	29.2	10.8	3.3	.8					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

120

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

NOV

MONTH

ALL WEATHER

CLASS

09

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8	4.2	.8	.8							7.6	8.9
NNE	1.7		.8									2.5	4.7
NE				.8								.8	15.0
ENE		.8	5.0	5.9	2.5							14.3	12.3
E	.8		5.9	10.9	3.4	.8						21.8	12.9
ESE		2.5	4.2	6.7	.8							14.3	10.8
SE				2.5		.8						3.4	15.8
SSE			1.7	1.7	.8							4.2	12.8
S	.8			.8	.8		1.7					4.2	19.0
SSW	.8											.8	2.0
SW				.8								.8	15.0
WSW													
W													
WNW	1.7											1.7	1.5
NW		2.5	.8									3.4	5.5
NNW		2.5	3.4									5.9	7.1
VARBL													
CALM												14.3	
	6.7	9.2	26.1	31.1	9.2	1.7	1.7					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

119

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

NOV
MONTH

ALL WEATHER

CLASS

12

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.8			.8						1.7	15.5
NNE		.8										.8	6.0
NE			5.0									5.0	8.3
ENE		1.7		3.4	4.2							9.2	14.7
E	.8	.8	6.7	13.4	5.0							26.9	13.0
ESE		4.2	2.5	5.0	.8							12.6	10.0
SE	.8	.8	1.7		1.7							5.0	10.7
SSE	.8			5.0	.8	.8		.8				8.4	16.2
S	.8			1.7		.8		.8				3.4	13.0
SSW	.8							.8				1.7	18.5
SW													
WSW													
W	.8											.8	2.0
WNW	.8	1.7	1.7									4.2	5.8
NW	1.7	4.2	.8									6.7	4.8
NNW	.8	1.7	4.2	1.7								8.4	7.8
VARB													
CALM												5.0	
	8.4	16.0	23.5	30.3	12.6	2.5		1.7				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

119

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

NOV
MONTH

ALL WEATHER
CLASS

15
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	.8	.8	.8							4.2	9.8
NNE													
NE			3.3	.8								4.2	10.2
ENE		.8	3.3	10.0	2.5	.8						17.5	13.8
E	2.5	.8	5.8	13.3	4.2	.8						27.5	12.3
ESE	.8	1.7		2.5	.8							5.8	10.3
SE		.8	1.7		1.7							4.2	12.0
SSE			.8	1.7	1.7	3.3	.8					8.3	19.1
S		.8	.8	.8		.8						3.3	13.5
SSW	.8		.8			.8						2.5	12.0
SW	1.7	.8										2.5	2.3
WSW	1.7											1.7	2.0
W	2.5											2.5	1.7
WNW		2.5										2.5	4.3
NW	.8	1.7	.8									3.3	4.8
NNW	.8	.8	5.0	1.7								8.3	9.2
VARBL													
CALM												1.7	
	11.7	12.5	23.3	31.7	11.7	6.7	.8					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

120

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

NOV
MONTH

ALL WEATHER
CLASS

18
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.5		1.7								4.2	7.6
NNE		2.5										2.5	5.3
NE		.8	1.7									2.5	7.0
ENE		.8	6.7	5.9								15.1	12.0
E		1.7	3.4	11.6	7.6	.8						25.2	14.0
ESE		.8	3.4	1.7	1.7							7.6	11.8
SE		.8	.8	.8	1.7							4.2	14.2
SSE		.8	.8	2.5	1.7	.8						6.7	14.9
S		.8	.8	.8	.8	.8						3.4	16.0
SSW				.8	.8		.8					1.7	25.0
SW													
WSW													
W	2.5	1.7										4.2	3.0
WNW		2.5										2.5	4.3
NW	.8	2.5		.8								4.2	5.6
NNW		1.7	2.5	3.4	.8							8.4	10.9
VARBL													
CALM												7.6	
	3.4	19.3	20.2	29.4	16.8	2.5	.8					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

119

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

NOV
MONTH

ALL WEATHER
CLASS

21
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	1.7	3.3								6.7	10.4
NNE	.8	.8										1.7	3.5
NE		.8		.8								1.7	10.5
ENE		3.3	4.2	5.8	3.3							16.7	12.0
E	1.7	1.7	7.5	13.3	5.8	.8						30.8	12.6
ESE			1.7	4.2								5.8	12.0
SE				1.7	.8							2.5	14.0
SSE				2.5	.8	1.7						5.0	18.8
S			.8	.8		.8						3.3	18.0
SSW	1.7											1.7	1.5
SW					.8							.8	21.0
WSW								.8				.8	40.0
W	.8	.8										1.7	2.5
WNW	1.7											1.7	2.5
NW	.8	3.3	2.5									6.7	6.3
NNW		1.7	2.5	1.7								5.8	9.0
VARBL													
CALM												6.7	
	7.5	14.2	20.8	34.2	11.7	3.3	.8	.8				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

120

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

NDV
MONTH

ALL WEATHER
CLASS

ALL
MOORE (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.0	2.2	1.9	.3	.1						5.8	9.9
NNE	.4	.6	.2	.1								1.4	5.8
NE	.2	.4	1.9	.5	.2							3.2	9.3
ENE	.9	1.2	2.9	5.9	2.9	.1						13.0	13.2
E	.3	1.3	7.0	12.2	4.2	.7						26.4	12.7
ESE	.2	1.6	2.5	3.7	1.2	.1						9.3	11.2
SE	.2	.5	.9	1.3	.9	.2	.1					4.2	13.2
SSE	.1	.2	.4	2.5	1.0	1.2	.1	.1				5.6	16.2
S	.3	.2	.3	1.2	.3	.7	.4					3.5	16.0
SSW	.5	.2	.2	.1	.2	.1	.1	.1				1.4	13.1
SW	.2	.1	.1	.1	.1	.1						.5	8.6
WSW	.3	.1	.1			.1		.1				.7	11.6
W	.8	.3	.1				.1					1.4	4.9
WNW	.8	.9	.2	.1								2.1	4.5
NW	1.0	2.2	.8	.1								4.2	5.2
NNW	.6	1.9	3.1	1.8	.1							7.5	8.6
VARBL												9.9	
CALM													
	7.1	12.6	23.0	31.4	11.5	3.3	.8	.3				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

956

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

87601 STATION MC MURDO STATION, ANTARCTICA 73-76 YEARS DEC MONTH

ALL WEATHER CLASS HOURS (L.S.T.) 00

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	4.8	8.9	3.2								17.7	8.2
NNE		.8										.8	4.0
NE		.8										.8	6.0
ENE		.8	4.8	3.2	.8							10.5	11.3
E	.8	4.0	8.1	13.7	1.6							28.2	10.8
ESE		3.2	4.0	4.8	.8							12.9	10.4
SE		.8	.8	2.4			.8					4.8	13.7
SSE		.8		1.6								2.4	10.3
S						.8						.8	22.0
SSW												.8	2.0
SW	.8												
WSW													
W													
WNW													
NW	2.4	.8										3.2	2.8
NNW		3.2	4.0	.8								8.1	7.2
VARBL													
CALM												8.9	
	4.8	20.2	30.6	29.8	3.2	1.6	.8					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

YEARS

DEC

NORTH

ALL WEATHER

CLASS

03

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.3	9.8	4.1	.8							19.5	8.7
NNE			.8	.8								1.6	9.5
NE				.8								.8	12.0
ENE		1.6	2.4	2.4	1.6							8.1	12.0
E		2.4	11.4	13.8	1.6	1.6						30.9	11.6
ESE		2.4	4.9	3.3	1.6							12.2	10.5
SE			.8	2.4								3.3	11.5
SSE		.8		1.6	.8							3.3	12.5
S													
SSW													
SW													
WSW													
W													
WNW			.8									.8	8.0
NW													
NNW	1.6	4.1	1.6	.8								8.1	6.4
VARBL													
CALM												11.4	
	3.3	14.6	32.5	30.1	6.5	1.6						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

123

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

DEC
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		4.0	4.8	7.3								16.1	9.4
NNE			.8									.8	8.0
NE		.8		.8								1.6	9.0
ENE		2.4	.8	3.2	2.4							8.9	11.6
E		4.0	10.5	10.5	4.0	.8						29.8	11.8
ESE			4.0	5.6	.8							10.5	12.4
SE		.8	1.6	1.6	.8							4.8	10.2
SSE			.8	.8	.8							2.4	14.0
S			.8									.8	9.0
SSW				.8								.8	12.0
SW													
WSW													
W	1.6												
WNW	2.4	.8	.8									1.6	2.0
NW			1.6									4.0	3.8
NNW	.8		1.6	.8								1.6	8.0
VARL												3.2	7.3
CALM												12.9	
	4.8	12.9	28.2	31.5	8.9	.8						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

DEC
MONTH

09

HOURS (L S T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.6	8.1	2.4	.8							13.0	9.4
NNE													
NE			.8									.8	7.0
ENE	.8	.8	2.4	.8	1.6							6.5	11.3
E		4.9	9.8	13.0	2.4							30.1	11.0
ESE	3.3	.8	4.9	1.6	.8							11.4	8.0
SE				1.6								1.6	13.0
SSE		1.6	1.6	2.4	.8		.8					7.3	13.6
S		.8		.8								1.6	7.5
SSW	1.6											1.6	2.0
SW	1.6											1.6	2.5
WSW													
W	1.6		.8									2.4	4.3
WNW	.8	2.4										3.3	4.5
NW	.8	.8	.8									2.4	5.7
NNW		3.3	1.6	.8								5.7	7.0
VARBL													
CALM												10.6	
	10.6	17.1	30.9	23.6	6.5		.3					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

123

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

DEC

MONTH

ALL WEATHER

CLASS

12

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												8.9	8.5
NNE	.8	2.4	4.0	2.4								.8	2.0
NE													
ENE		1.6	1.6	5.6		.8						9.7	12.8
E		2.4	12.1	13.7	3.2	.8						32.3	12.3
ESE		.8	4.0	2.4	1.6							8.9	11.7
SE			.8									.8	7.0
SSE		1.6		2.4								4.0	9.4
S		.8	1.6	.8	.8							4.0	11.4
SSW													
SW	1.6	.8										2.4	3.3
WSW	1.6											1.6	1.5
W	4.0	1.6										5.6	2.7
WNW	.8											.8	3.0
NW	1.6	2.4	.8									4.8	4.5
NNW		1.6	7.3	.8								9.7	8.1
VARB													
CALM												5.6	
	10.5	16.1	32.3	28.2	5.6	1.6						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 87601 STATION NAME MC MUKOO STATION, ANTARCTICA YEARS 73-76 MONTH DEC HOUR 15

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8	2.5	.8								4.9	8.7
NNE		.8										.8	5.0
NE			.8		.8							1.6	13.0
ENE	.6	1.6	2.5	9.0	1.6							15.6	12.0
E		4.9	9.0	11.5	3.3	.8						29.3	11.6
ESE			8.2	2.5	.8							11.3	10.6
SE		.8										.8	6.0
SSE		.8	.8	1.6								3.3	10.3
S					.8	.8						1.6	20.0
SSW	.8											.8	2.0
SW	.8											1.6	3.5
WSW		.8										5.7	3.9
W	3.3	1.6	.8									5.7	6.3
WNW		4.1	1.6									6.6	6.9
NW		3.3	3.3									4.1	9.2
NNW		.8	2.5	.8								5.7	
VARBL													
CALM												100.0	9.4
	6.6	20.5	32.0	26.2	7.4	1.6							

TOTAL NUMBER OF OBSERVATIONS 122

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

DEC
MONTH

ALL WEATHER

CLASS

18

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	5.7									6.5	8.4
NNE		.8										.8	4.0
NE		.8	2.4	1.6								4.9	9.0
ENE			2.4	4.9	2.4							9.8	13.8
E		4.1	11.4	13.8	1.6							30.9	10.9
ESE		1.6	4.1	4.9	.8							11.4	11.4
SE	.8	1.6	.8									3.3	5.5
SSE		.8	1.6	.8								3.3	10.0
S					1.6	.8						2.4	18.7
SSW	.8											.8	3.0
SW													
WSW	1.6											1.6	2.0
W	1.6	.8	.8									3.3	4.3
WNW		2.4										2.4	5.0
NW	1.6	2.4	2.4									6.5	5.3
NNW	.8	2.4	2.4	1.6								7.3	7.6
VARBL													
CALM												4.9	
	7.3	18.7	34.1	27.6	6.5	.8						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

123

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

DEC

MOUTH

ALL WEATHER

CLASS

21

HOURS (L S T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.8	4.1	.8								7.4	7.7
NNE	.8	.8										1.6	3.5
NE		.8	3.3	.8								4.9	8.5
ENE		1.6	2.5	6.6								10.7	11.5
E	1.6		9.0	11.5	3.3	.8						26.2	12.0
ESE		.8	4.9	6.6	.8							13.1	11.9
SE	.8	.8	.8	1.6								4.1	9.0
SSE			.8	.8	.8							1.6	13.0
S				.8		.8						1.6	20.5
SSW													
SW													
WSW	.8											.8	2.0
W	.8	2.5										3.3	4.0
WNW	.8	2.5	.8									4.1	4.8
NW	1.6	1.6	.8									4.1	4.8
NNW	.8	3.3	2.5									6.6	6.1
VARBL													
CALM												9.8	
	9.8	15.6	29.5	28.7	4.9	1.6						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

122

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

DEC

MOUTH

ALL WEATHER

CLASS

ALL

MOUSE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.3	6.0	2.6	.2							11.8	8.7
NNE	.2	.4	.2	.1								.9	5.4
NE		.4	.9	.5	.1							1.9	9.2
ENE	.2	1.3	2.4	4.5	1.3	.2						9.9	12.1
E	.3	3.4	10.2	12.7	2.6	.6						29.7	11.5
ESE	.4	1.2	4.9	4.0	1.0							11.5	10.8
SE	.2	.6	.7	1.2	.1		.1					2.9	10.2
SSE		.8	.7	1.4	.4		.1					3.5	11.7
S		.2	.3	.3	.4	.4						1.6	15.0
SSW	.3			.1								.4	4.8
SW	.6	.1										.7	2.7
WSW	.6	.1										.7	2.3
W	1.6	.8	.3									2.7	3.6
WNW	.6	1.5	.5									2.6	5.0
NW	1.0	1.4	1.2									3.7	5.3
NNW	.5	2.3	2.9	.8								6.6	7.3
VARBL													
CALM												8.7	
	7.2	17.0	31.3	28.2	6.2	1.2	.2					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

985

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-77

STATION NAME

YEARS

ALL

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	2.1	1.4	.3	.0	.0					5.6	8.9
NNE	.3	.6	.3	.3	.1	.0	.0					1.6	6.3
NE	.5	.6	1.0	.6	.3	.1	.0					3.1	9.5
ENE	.6	.9	2.3	3.9	2.4	.9	.1	.0				11.1	13.4
E	1.1	2.7	7.1	10.8	5.7	2.4	.3	.0				30.2	13.3
ESE	.4	1.5	3.5	4.5	1.6	.7	.1	.0				12.4	12.2
SE	.2	.6	1.4	1.7	.6	.3	.1					5.0	12.0
SSE	.2	.5	.8	1.5	.8	.5	.2	.0				4.5	14.2
S	.2	.4	.5	1.0	.7	.6	.3	.0		.0		3.8	16.0
SSW	.3	.1	.1	.1	.2	.1	.1	.1	.0			1.2	15.1
SW	.2	.0	.0	.0	.0	.0	.0	.0	.0			.4	9.1
WSW	.2	.1	.0	.0	.0	.0	.0	.0				.4	6.6
W	.6	.3	.1	.0	.0	.0	.0					1.0	4.3
WNW	.4	.5	.3	.0	.0							1.3	5.1
NW	.5	.8	.5	.1	.0	.0	.0					1.9	6.0
NNW	.4	1.1	1.4	.6	.0							3.5	7.6
VARBL													
CALM												13.0	
	6.8	11.9	21.4	26.8	12.9	5.6	1.3	.3	.0	.0		100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

8647

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

87601
STATION

MC MURDO STATION, ANTARCTICA

73-77

STATION NAME

YEARS

ALL
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.2	.6	.2	.2	.1						1.5	11.4
NNE	.4	.1	.1	.1	.1							.7	8.3
NE	.1	.2	.2	.4	.2	.2						1.5	13.1
ENE	.1	.5	1.5	2.8	2.2	1.7	.7					9.7	16.6
E	.7	1.1	3.7	9.3	9.4	5.9	1.5					31.7	16.8
ESE	.2	1.2	3.7	5.3	3.6	1.7	.1					16.2	14.3
SE	.2	.6	1.9	3.1	1.2	.5	.4					7.9	13.6
SSE	.2	.2	1.1	2.0	3.7	1.6	.6	.4				9.7	18.8
S	.4	.4	.7	3.1	3.6	1.7	1.1	.1				11.1	18.1
SSW	.2		.2		.7	.4	.2	.1				2.0	18.9
SW	.1			.1			.1					.4	16.7
WSW	.1	.1										.2	2.5
W	.4	.1	.2	.1								.7	6.3
WNW	.2	.1	.5									.9	5.6
NW	.2	.2	.1	.1								.7	6.0
NNW		.9	.2	.1								1.2	6.4
VARBL													
CALM												3.8	
	3.2	6.3	15.0	26.9	25.4	14.0	4.8	.6				100.0	15.2

TOTAL NUMBER OF OBSERVATIONS

808

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than $6/10$ total sky cover and those cases where total sky cover is $6/10$ or more, but not more than $1/2$ of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 1800													92.6
≥ 1500					91.0								
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500										97.4			98.1
≥ 400													
≥ 300													
≥ 200													
≥ 100					95.4		96.9			98.3			
≥ 0													100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA

73-77

STATION NAME

YEARS

JAN

MONTH

00

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	48.4	48.4	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	49.0	49.0	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
18000	50.3	50.3	51.6	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
16000	50.3	50.3	51.6	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
14000	54.8	54.8	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
12000	56.8	56.8	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
10000	64.5	64.5	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
9000	71.0	71.0	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
8000	76.1	76.1	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
7000	80.0	80.0	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
6000	80.7	80.7	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
5000	80.7	80.7	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
4500	80.7	80.7	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
4000	81.3	81.3	82.6	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
3500	81.3	81.3	82.6	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
3000	82.6	82.6	84.5	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
2500	84.5	84.5	86.5	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
2000	86.5	86.5	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1800	86.5	86.5	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1500	89.0	89.0	91.6	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
1200	89.0	89.0	91.6	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
1000	89.0	89.0	92.3	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
900	89.7	89.7	92.9	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
800	89.7	89.7	92.9	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
700	89.7	89.7	92.9	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
600	89.7	89.7	92.9	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
500	90.3	90.3	93.6	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
400	90.3	90.3	93.6	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
300	90.3	90.3	93.6	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
200	90.3	90.3	93.6	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
100	90.3	90.3	93.6	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0	90.3	90.3	93.6	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	47.7	48.4	48.4	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	47.7	48.4	48.4	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	49.0	49.7	49.7	49.7	49.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000	49.0	49.7	49.7	49.7	49.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 14000	52.3	52.9	52.9	52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	54.8	55.5	55.5	55.5	55.5	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	61.9	62.6	62.6	62.6	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000	67.1	67.7	67.7	67.7	67.7	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	74.2	74.8	75.5	75.5	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 7000	78.1	78.7	79.4	79.4	79.4	79.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	78.7	79.4	80.0	80.0	80.0	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	81.3	81.9	83.2	83.2	83.2	83.2	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500	81.3	81.9	83.2	83.2	83.2	83.2	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4000	81.3	81.9	83.2	83.2	83.2	83.2	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3500	81.3	81.9	83.2	83.2	83.2	83.2	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	83.2	83.9	85.2	85.2	85.2	85.2	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	86.5	87.1	88.4	88.4	88.4	88.4	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	87.7	88.4	90.3	90.3	90.3	90.3	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	87.7	88.4	90.3	90.3	90.3	90.3	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	90.3	91.0	93.6	93.6	93.6	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	90.3	91.0	93.6	93.6	93.6	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	91.6	92.3	94.8	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	91.6	92.3	94.8	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	91.6	92.3	94.8	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	91.6	92.3	94.8	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	91.6	92.3	94.8	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	91.6	92.3	94.8	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	91.6	92.3	94.8	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	91.6	92.3	94.8	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	91.6	92.3	94.8	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	91.6	92.3	94.8	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0	91.6	92.3	94.8	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-77

YEARS

JAN
MONTH

06
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	47.1	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.0
≥ 20000	47.1	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.0
≥ 18000	48.4	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	50.3	50.3	50.3	50.3
≥ 16000	49.0	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	51.0	51.0	51.0	51.0
≥ 14000	50.3	51.0	51.6	51.6	52.3	52.3	52.3	52.3	52.3	52.9	52.9	52.9	52.9
≥ 12000	53.6	54.2	54.8	54.8	55.5	55.5	55.5	55.5	55.5	56.1	56.1	56.1	56.1
≥ 10000	58.1	58.7	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7
≥ 9000	65.8	66.5	67.1	67.1	67.7	67.7	67.7	67.7	67.7	68.4	68.4	68.4	68.4
≥ 8000	72.9	73.6	74.2	74.2	74.8	74.8	74.8	74.8	74.8	75.5	75.5	75.5	75.5
≥ 7000	75.5	76.1	76.8	76.8	77.4	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1
≥ 6000	77.4	78.1	78.7	78.7	79.4	79.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0
≥ 5000	78.1	78.7	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7
≥ 4500	78.1	78.7	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7
≥ 4000	78.1	78.7	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7
≥ 3500	78.7	79.4	80.0	80.0	80.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3
≥ 3000	81.9	82.6	83.2	83.2	83.9	83.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5
≥ 2500	84.5	85.2	85.8	85.8	86.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1
≥ 2000	87.1	87.7	88.4	88.4	89.0	89.0	89.0	89.0	89.0	90.3	90.3	90.3	90.3
≥ 1800	87.1	87.7	88.4	88.4	89.0	89.0	89.0	89.0	89.0	90.3	90.3	90.3	90.3
≥ 1500	88.4	89.0	89.6	89.6	90.3	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0
≥ 1200	88.4	89.0	89.6	89.6	90.3	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0
≥ 1000	88.4	89.0	89.6	89.6	90.3	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0
≥ 900	88.4	89.0	89.6	89.6	90.3	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0
≥ 800	89.0	89.6	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6
≥ 700	89.0	89.6	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6
≥ 600	89.0	89.6	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6
≥ 500	89.0	89.6	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6
≥ 400	89.0	89.6	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6
≥ 300	89.0	89.6	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6
≥ 200	89.0	89.6	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6
≥ 100	89.0	89.6	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6
0	89.0	89.6	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	44.5	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	44.5	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000	47.1	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000	47.7	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 14000	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	78.1	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	78.1	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	78.1	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	79.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	81.9	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	83.2	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	87.7	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	87.7	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500	89.0	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	89.0	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000	90.3	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	90.3	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800	90.3	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	91.6	91.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	92.3	92.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	92.3	92.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	92.3	92.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	92.3	92.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	92.3	92.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 100	92.3	92.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
0	92.3	92.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	49.0	49.0	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	49.7	49.7	49.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	50.3	50.3	50.3	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	54.2	54.2	54.2	54.2	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000	56.1	56.1	56.1	56.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	57.4	57.4	57.4	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	67.1	67.1	67.1	67.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
8000	72.9	73.6	73.6	73.6	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
7000	74.8	75.5	75.5	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
6000	76.8	77.4	77.4	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
5000	77.4	78.1	78.1	78.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
4500	77.4	78.1	78.1	78.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
4000	77.4	78.1	78.1	78.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
3500	78.1	78.7	78.7	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
3000	79.4	80.0	80.0	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2500	80.7	81.3	81.3	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2000	85.2	85.8	85.8	85.8	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
1800	85.2	85.8	85.8	85.8	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
1500	86.5	87.1	87.1	87.1	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
1200	87.7	88.4	88.4	89.0	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
1000	88.4	89.0	89.0	89.0	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
900	88.4	89.0	89.0	89.0	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
800	89.7	90.3	91.0	91.6	93.6	95.5	95.5	95.5	96.1	96.8	96.8	96.8	96.8
700	90.3	91.0	91.6	92.3	94.2	96.1	96.1	96.1	96.8	97.4	97.4	98.1	98.1
600	90.3	91.0	91.6	92.3	94.8	96.8	96.8	96.8	97.4	98.1	98.1	98.7	98.7
500	90.3	91.0	91.6	92.3	94.8	96.8	96.8	96.8	97.4	98.1	98.1	99.4	99.4
400	90.3	91.0	91.6	92.3	94.8	96.8	96.8	96.8	97.4	98.1	98.1	99.4	99.4
300	90.3	91.0	91.6	92.3	94.8	96.8	96.8	96.8	97.4	98.1	98.1	99.4	99.4
200	90.3	91.0	91.6	92.3	94.8	96.8	96.8	96.8	97.4	98.1	98.1	99.4	99.4
100	90.3	91.0	91.6	92.3	94.8	96.8	96.8	96.8	97.4	98.1	98.1	99.4	99.4
0	90.3	91.0	91.6	92.3	94.8	96.8	96.8	96.8	97.4	98.1	98.1	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)		VISIBILITY (STATUTE MILES)															1
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING		51.0	51.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	
≥ 20000		51.0	51.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	
18000		52.3	52.3	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	
16000		52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	
14000		55.5	55.5	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	
12000		56.8	56.8	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	
10000		61.3	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	
9000		68.4	69.0	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	
8000		75.5	76.1	76.1	76.1	76.8	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	
7000		79.4	80.0	80.0	80.0	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	
6000		80.0	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	
5000		80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	
4500		80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	
4000		82.6	83.2	83.2	83.2	83.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	
3500		82.6	83.2	83.2	83.2	83.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	
3000		83.9	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	
2500		84.5	85.2	85.2	85.2	85.8	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	
2000		88.4	89.0	89.0	89.0	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	
1800		88.4	89.0	89.0	89.0	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	
1500		89.0	89.7	90.3	90.3	91.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	
1200		89.7	90.3	91.0	91.0	92.3	92.3	93.0	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	
1000		90.3	92.3	92.9	92.9	94.2	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	
900		90.3	92.3	92.9	92.9	94.2	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	
800		90.3	92.9	93.6	93.6	94.8	94.8	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
700		90.3	92.9	93.6	93.6	94.8	94.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	
600		90.3	92.9	93.6	93.6	94.8	94.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
500		90.3	92.9	93.6	93.6	94.8	94.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
400		90.3	92.9	93.6	93.6	94.8	94.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
300		90.3	92.9	93.6	93.6	94.8	94.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
200		90.3	92.9	93.6	93.6	94.8	94.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
100		90.3	92.9	93.6	93.6	94.8	94.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
0		90.3	92.9	93.6	93.6	94.8	94.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

87601
STATIONMC MURDO STATION, ANTARCTICA
STATION NAME

73-77

YEARS

JAN
MONTH18
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	49.0	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	54.2	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	54.2	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	61.9	61.9	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000	67.7	67.7	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	73.6	73.6	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500	81.3	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	84.5	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	89.7	90.3	90.3	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	89.7	90.3	90.3	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	91.0	91.6	91.6	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	91.6	92.3	92.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000	91.6	92.3	92.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	91.6	92.3	92.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	92.3	92.9	92.9	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	92.3	92.9	92.9	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	92.3	92.9	92.9	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	92.9	93.6	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	92.9	93.6	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 300	92.9	93.6	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 200	92.9	93.6	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 100	92.9	93.6	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
0	92.9	93.6	93.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

72-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 14000	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 7000	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	80.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	80.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4000	81.3	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3500	81.3	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	85.8	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	87.1	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	88.4	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	88.4	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	90.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 600	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 400	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 200	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 100	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
0	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

87601
STATIONMC MURDO STATION, ANTARCTICA
STATION NAME

73-77

YEARS

JAN
MONTHALL
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	48.2	48.5	48.8	48.8	49.1	49.1	49.1	49.2	49.2	49.3	49.3	49.3	49.3	49.3
≥ 20000	48.4	48.6	49.0	49.0	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 18000	49.8	50.0	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.9
≥ 16000	50.7	50.9	51.2	51.2	51.5	51.5	51.5	51.6	51.6	51.7	51.7	51.7	51.7	51.8
≥ 14000	53.6	53.9	54.2	54.2	54.6	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.9
≥ 12000	55.2	55.4	55.7	55.7	56.1	56.2	56.2	56.3	56.3	56.4	56.4	56.4	56.4	56.5
≥ 10000	60.3	60.6	60.9	60.9	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.6
≥ 9000	67.4	67.7	68.1	68.1	68.5	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.8
≥ 8000	74.2	74.7	75.1	75.1	75.5	75.6	75.6	75.7	75.7	75.8	75.8	75.9	75.9	76.0
≥ 7000	77.6	78.1	78.6	78.6	79.0	79.0	79.1	79.2	79.2	79.4	79.4	79.5	79.5	79.6
≥ 6000	78.6	79.1	79.7	79.7	80.1	80.2	80.2	80.3	80.3	80.5	80.6	80.7	80.7	80.7
≥ 5000	79.6	80.1	80.7	80.7	81.1	81.2	81.3	81.4	81.4	81.5	81.6	81.7	81.7	81.8
≥ 4500	79.6	80.1	80.7	80.7	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.8	81.9
≥ 4000	80.2	80.8	81.5	81.5	81.9	82.0	82.1	82.2	82.3	82.5	82.6	82.7	82.7	82.7
≥ 3500	80.6	81.2	81.9	81.9	82.3	82.4	82.5	82.6	82.7	82.9	83.0	83.1	83.1	83.2
≥ 3000	82.9	83.6	84.3	84.3	84.8	84.8	85.0	85.1	85.2	85.4	85.5	85.6	85.6	85.7
≥ 2500	84.7	85.3	86.1	86.1	86.5	86.6	86.8	86.9	86.9	87.2	87.3	87.3	87.3	87.4
≥ 2000	87.6	88.2	89.4	89.4	90.2	90.3	90.7	90.7	90.8	91.1	91.1	91.2	91.2	91.3
≥ 1800	87.6	88.2	89.4	89.4	90.2	90.4	90.7	90.8	90.9	91.1	91.2	91.3	91.3	91.4
≥ 1500	89.2	89.8	91.1	91.2	92.2	92.5	93.1	93.2	93.2	93.5	93.6	93.7	93.7	93.8
≥ 1200	89.6	90.2	91.5	91.7	92.7	93.0	93.6	93.6	93.7	94.0	94.0	94.1	94.2	94.3
≥ 1000	90.1	90.9	92.3	92.5	93.6	94.0	94.8	95.0	95.1	95.3	95.7	95.7	96.0	96.1
≥ 900	90.2	91.0	92.4	92.6	93.7	94.1	94.8	95.1	95.2	95.4	95.7	95.8	96.1	96.2
≥ 800	90.6	91.5	93.2	93.3	94.4	94.8	95.6	95.8	96.0	96.3	96.7	96.8	97.1	97.2
≥ 700	90.8	91.7	93.5	93.6	94.8	95.2	96.0	96.2	96.4	96.8	97.3	97.3	97.7	98.0
≥ 600	91.0	91.9	93.7	93.9	95.1	95.5	96.3	96.5	96.7	97.2	97.7	98.0	98.4	98.6
≥ 500	91.1	92.1	93.9	94.0	95.2	95.7	96.5	96.8	96.9	97.6	98.1	98.4	99.0	99.3
≥ 400	91.1	92.1	93.9	94.0	95.2	95.7	96.5	96.8	96.9	97.6	98.1	98.4	99.1	99.4
≥ 300	91.1	92.1	93.9	94.0	95.2	95.7	96.5	96.8	96.9	97.7	98.2	98.5	99.2	99.6
≥ 200	91.1	92.1	93.9	94.0	95.2	95.7	96.5	96.8	96.9	97.7	98.2	98.6	99.3	99.7
≥ 100	91.1	92.1	93.9	94.0	95.2	95.7	96.5	96.8	96.9	97.7	98.2	98.6	99.4	99.6
0	91.1	92.1	93.9	94.0	95.2	95.7	96.5	96.8	96.9	97.7	98.2	98.6	99.4	99.6

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
≥ 20000	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 18000	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 16000	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 14000	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 12000	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 10000	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 9000	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 8000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 7000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 5000	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 4500	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 4000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3500	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 900	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 700	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 600	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 500	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 400	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 300	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 200	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 100	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
0	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6

TOTAL NUMBER OF OBSERVATIONS

112

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

TEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.2	28.2	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
≥ 20000	30.8	30.8	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 18000	32.1	32.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 16000	33.3	33.3	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 14000	33.3	33.3	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 12000	33.3	33.3	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 10000	38.5	38.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 9000	42.3	42.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 8000	62.8	62.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 7000	70.5	70.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 6000	71.8	71.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 5000	73.1	73.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4500	73.1	73.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4000	75.6	75.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3500	78.2	78.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3000	82.1	82.1	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2500	83.3	83.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2000	84.6	84.6	88.5	88.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	84.6	84.6	88.5	88.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500	85.9	85.9	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	85.9	85.9	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000	89.7	89.7	93.6	93.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900	89.7	89.7	93.6	93.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	89.7	89.7	93.6	93.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 700	89.7	89.7	93.6	93.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 600	89.7	89.7	93.6	93.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 500	89.7	89.7	93.6	93.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 400	89.7	89.7	93.6	93.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 300	89.7	89.7	93.6	93.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 200	89.7	89.7	93.6	93.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 100	89.7	89.7	93.6	93.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 0	89.7	89.7	93.6	93.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2

TOTAL NUMBER OF OBSERVATIONS

78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

FEB
MONTH

06
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 20000	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 18000	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 16000	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 14000	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 12000	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 10000	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 9000	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 8000	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 7000	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 6000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 3500	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 2500	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 2000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1800	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1200	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 600	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 500	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 400	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 300	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 200	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 100	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2

TOTAL NUMBER OF OBSERVATIONS

113

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
≥ 20000	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
≥ 18000	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 16000	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 14000	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 12000	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 10000	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 9000	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 8000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 7000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 6000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 5000	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4500	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3500	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1800	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1500	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 900	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 800	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 700	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 600	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 500	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 300	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 200	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 100	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS

77

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-75

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
≥ 20000	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 18000	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 16000	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 14000	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 12000	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 10000	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 9000	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 8000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 7000	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 6000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 5000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4500	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3000	81.4	82.3	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	81.4	82.3	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	85.8	86.7	86.7	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1800	85.8	86.7	86.7	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1500	86.7	87.6	87.6	88.5	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200	86.7	87.6	87.6	88.5	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1000	87.6	88.5	90.3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 900	87.6	88.5	90.3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 800	87.6	88.5	90.3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 700	87.6	88.5	90.3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 600	88.5	89.4	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 500	88.5	89.4	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 400	88.5	89.4	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 300	88.5	89.4	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 200	88.5	89.4	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 100	88.5	89.4	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 0	88.5	89.4	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0

113

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ¼	≥ 0
NO CEILING	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 20000	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
18000	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
16000	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
14000	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
12000	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
10000	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
9000	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
8000	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
7000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
6000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
5000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
4500	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
4000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
3500	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
3000	81.8	81.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
2500	81.8	81.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
2000	85.7	85.7	88.3	88.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
1800	85.7	85.7	88.3	88.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
1500	85.7	85.7	88.3	88.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
1200	85.7	85.7	88.3	88.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
1000	87.0	87.0	89.6	89.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
900	87.0	87.0	89.6	89.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
800	87.0	87.0	89.6	89.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
700	87.0	87.0	89.6	89.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
600	87.0	87.0	89.6	89.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
500	87.0	87.0	89.6	89.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
400	87.0	87.0	89.6	89.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
300	87.0	87.0	89.6	89.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
200	87.0	87.0	89.6	89.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
100	87.0	87.0	89.6	89.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
0	87.0	87.0	89.6	89.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2

TOTAL NUMBER OF OBSERVATIONS 77

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601

MC MURDO STATION, ANTARCTICA

73-76

FEB

STATION NAME

YEARS

NORTH

18

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 20000	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 18000	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 16000	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 14000	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 12000	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 10000	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 9000	40.7	40.7	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 8000	52.2	52.2	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 7000	57.5	58.4	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 6000	64.6	65.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 5000	68.1	69.0	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4500	67.0	69.9	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4000	72.6	73.5	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3500	75.2	76.1	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3000	78.8	79.7	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 2500	79.7	80.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	83.2	84.1	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1800	83.2	84.1	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500	84.1	85.0	88.5	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200	85.0	85.8	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	85.0	85.8	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	85.0	85.8	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	85.0	85.8	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700	85.0	85.8	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600	85.0	85.8	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 500	85.0	85.8	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 400	85.0	85.8	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 300	85.0	85.8	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 200	85.0	85.8	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 100	85.0	85.8	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 0	85.0	85.8	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3

TOTAL NUMBER OF OBSERVATIONS

113

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

5703 CEILING VERSUS VISIBILITY JAN 78

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 20000	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 18000	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 16000	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 14000	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 12000	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 10000	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 9000	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 8000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 7000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 6000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 5000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4500	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1800	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1500	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1200	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 900	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 800	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 700	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 600	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 500	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 400	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 300	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 200	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 100	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6

TOTAL NUMBER OF OBSERVATIONS

77

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.4	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 20000	30.0	30.0	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 18000	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 16000	33.0	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 14000	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 12000	35.1	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 10000	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 9000	43.4	43.4	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8
≥ 8000	56.7	56.7	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2
≥ 7000	63.3	63.4	63.7	63.8	63.8	63.8	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1
≥ 6000	66.6	66.7	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4
≥ 5000	69.1	69.2	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4500	69.7	69.9	70.1	70.3	70.3	70.3	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5
≥ 4000	74.7	74.9	75.1	75.3	75.3	75.3	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	77.5	77.6	77.9	78.0	78.0	78.0	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3000	82.9	83.2	83.7	83.8	83.8	83.8	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2500	84.0	84.2	85.0	85.1	85.1	85.1	85.4	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2000	87.4	87.6	88.8	89.1	89.3	89.3	89.3	90.0	90.1	90.7	90.8	90.8	90.8	90.8	90.8
≥ 1800	87.4	87.6	88.8	89.1	89.3	89.3	89.3	90.0	90.1	90.7	90.8	90.8	90.8	90.8	90.8
≥ 1500	88.2	88.4	90.0	90.3	90.5	90.5	91.6	91.8	91.8	92.4	92.8	92.8	92.8	92.8	92.8
≥ 1200	88.3	88.6	90.1	90.4	90.7	90.7	91.7	92.0	92.0	92.5	92.9	92.9	92.9	92.9	92.9
≥ 1000	89.5	89.7	91.5	91.7	92.5	92.5	94.2	94.7	94.7	95.7	96.7	97.0	97.0	97.0	97.0
≥ 900	89.6	89.9	91.7	92.0	92.8	92.8	94.6	95.1	95.1	96.2	97.5	97.8	97.8	97.8	97.8
≥ 800	89.7	90.0	91.8	92.1	92.9	92.9	94.7	95.3	95.3	96.5	98.0	98.6	98.7	98.7	98.7
≥ 700	89.7	90.0	91.8	92.1	92.9	92.9	94.7	95.3	95.3	96.5	98.0	98.6	98.7	98.7	98.7
≥ 600	89.9	90.1	92.0	92.2	93.0	93.0	94.9	95.4	95.4	96.6	98.2	98.8	99.1	99.1	99.1
≥ 500	90.0	90.3	92.2	92.5	93.3	93.3	95.1	95.7	95.7	96.8	98.4	99.2	99.5	99.5	99.5
≥ 400	90.0	90.3	92.2	92.5	93.3	93.3	95.1	95.7	95.7	96.8	98.4	99.3	99.6	99.6	99.6
≥ 300	90.0	90.3	92.2	92.5	93.3	93.3	95.1	95.7	95.7	96.8	98.4	99.3	99.6	99.6	99.6
≥ 200	90.0	90.3	92.2	92.5	93.3	93.3	95.1	95.7	95.7	96.8	98.4	99.3	99.6	99.6	99.6
≥ 100	90.0	90.3	92.2	92.5	93.3	93.3	95.1	95.7	95.7	96.8	98.4	99.3	99.6	99.6	99.6
≥ 0	90.0	90.3	92.2	92.5	93.3	93.3	95.1	95.7	95.7	96.8	98.4	99.3	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

760

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	42.7	42.7	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 20000	45.2	45.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 18000	45.2	45.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 16000	46.8	46.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 14000	46.8	46.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 12000	48.4	48.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 10000	50.0	50.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000	53.2	54.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 8000	58.1	58.9	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 7000	60.5	61.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 6000	62.9	63.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000	64.5	65.3	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4500	64.5	65.3	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4000	66.1	66.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 3500	66.9	67.7	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3000	68.6	69.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 2500	69.4	71.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 2000	75.8	77.4	79.8	79.8	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1800	75.8	77.4	79.8	79.8	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	79.0	80.7	83.1	83.1	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	79.0	80.7	83.1	83.1	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1000	80.7	82.3	86.3	87.1	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 900	80.7	82.3	87.1	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	80.7	82.3	87.1	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	80.7	82.3	87.1	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 600	80.7	82.3	87.1	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 500	80.7	82.3	87.1	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 400	80.7	82.3	87.1	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 300	80.7	82.3	87.1	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 200	80.7	82.3	87.1	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 100	80.7	82.3	87.1	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
0	80.7	82.3	87.1	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7

124

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

MAR

MONTH

06

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	27.4	27.4	27.4	27.4	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 20000	29.0	29.0	29.0	29.0	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
At 18000	29.8	29.8	29.8	29.8	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
At 16000	30.7	30.7	30.7	30.7	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
At 14000	30.7	30.7	30.7	30.7	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
At 12000	30.7	30.7	30.7	30.7	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
At 10000	35.5	35.5	35.5	35.5	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
At 9000	38.7	38.7	38.7	38.7	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
At 8000	54.8	55.7	55.7	55.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
At 7000	58.9	59.7	59.7	59.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
At 6000	59.7	60.5	60.5	60.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
At 5000	61.3	62.1	62.1	62.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
At 4500	61.3	62.1	62.1	62.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
At 4000	63.7	64.5	64.5	64.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
At 3500	63.7	64.5	64.5	64.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
At 3000	67.7	68.6	68.6	68.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
At 2500	67.7	68.6	68.6	68.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
At 2000	72.6	73.4	73.4	73.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
At 1800	72.6	73.4	73.4	73.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
At 1500	79.0	79.8	79.8	79.8	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
At 1200	79.0	79.8	79.8	79.8	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
At 1000	79.8	80.7	80.7	80.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
At 900	79.8	80.7	80.7	80.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
At 800	79.8	80.7	80.7	80.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
At 700	79.8	80.7	80.7	80.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
At 600	79.8	80.7	80.7	80.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
At 500	79.8	80.7	80.7	80.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
At 400	79.8	80.7	80.7	80.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
At 300	79.8	80.7	80.7	80.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
At 200	79.8	80.7	80.7	80.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
At 100	79.8	80.7	80.7	80.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
At 0	79.8	80.7	80.7	80.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

09
HOURS (L.S.T.)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 20000	25.8	25.8	25.8	25.8	25.8	25.8	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥ 18000	28.2	28.2	28.2	28.2	28.2	28.2	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 16000	32.3	32.3	32.3	32.3	32.3	32.3	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 14000	34.7	34.7	34.7	34.7	34.7	34.7	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 12000	36.3	36.3	36.3	36.3	36.3	36.3	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 10000	41.1	41.1	41.1	41.1	41.1	41.1	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 9000	47.6	47.6	47.6	47.6	47.6	47.6	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 8000	54.8	55.7	55.7	55.7	55.7	55.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 7000	55.7	56.5	56.5	56.5	56.5	56.5	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 6000	58.1	58.9	58.9	58.9	58.9	58.9	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 5000	60.5	61.3	61.3	61.3	61.3	61.3	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 4500	60.5	61.3	61.3	61.3	61.3	61.3	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 4000	62.9	63.7	63.7	63.7	63.7	63.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3500	66.1	66.9	66.9	66.9	66.9	66.9	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3000	70.2	71.0	71.8	71.8	71.8	71.8	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2500	71.8	72.6	73.4	73.4	73.4	73.4	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000	80.7	81.5	82.3	82.3	82.3	82.3	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1800	80.7	81.5	82.3	82.3	82.3	82.3	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1500	81.5	82.3	83.9	83.9	84.7	84.7	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	81.5	82.3	83.9	83.9	84.7	84.7	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	81.5	82.3	83.9	84.7	84.7	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	81.5	82.3	83.9	84.7	84.7	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	81.5	82.3	83.9	84.7	84.7	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 700	81.5	82.3	83.9	84.7	84.7	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	81.5	82.3	83.9	84.7	84.7	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 500	81.5	82.3	83.9	84.7	84.7	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 400	81.5	82.3	83.9	84.7	84.7	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 300	81.5	82.3	83.9	84.7	84.7	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 200	81.5	82.3	83.9	84.7	84.7	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 100	81.5	82.3	83.9	84.7	84.7	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 0	81.5	82.3	83.9	84.7	84.7	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

YEARS

MAR
MONTH

15
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION
87601

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

MAR

MONTH

18

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≤ 0
NO CEILING	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	26.6
≥ 20000	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	27.4
≥ 18000	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	28.2
≥ 16000	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.8
≥ 14000	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	33.1
≥ 12000	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.9
≥ 10000	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	37.1
≥ 9000	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	38.7
≥ 8000	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	51.6
≥ 7000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.1
≥ 6000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.7
≥ 5000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	66.1
≥ 4500	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	66.9
≥ 4000	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	67.7
≥ 3500	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	71.8
≥ 3000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	75.8
≥ 2500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	78.2
≥ 2000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	85.5
≥ 1800	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	85.5
≥ 1500	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	87.1
≥ 1200	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	87.1
≥ 1000	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	94.4
≥ 900	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	95.2
≥ 800	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	96.8
≥ 700	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	96.8
≥ 600	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	96.8
≥ 500	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	96.8
≥ 400	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	97.6
≥ 300	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	97.6
≥ 200	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	98.4
≥ 100	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	99.2
0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	100.0

TOTAL NUMBER OF OBSERVATIONS

124

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

YEARS

MAR
MONTH

21
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

87601
STATION

MC MUKDO STATION, ANTARCTICA
STATION NAME

73-76
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	29.4	29.4	29.8	29.8	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.2	30.2
≥ 20000	31.7	31.7	32.1	32.1	32.3	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.7	32.7
≥ 18000	32.7	32.7	33.1	33.1	33.3	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.7	33.7
≥ 16000	34.7	34.7	35.1	35.1	35.5	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.9	35.9
≥ 14000	36.1	36.1	36.5	36.5	36.9	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.3	37.3
≥ 12000	37.1	37.1	37.5	37.5	37.9	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.3	38.3
≥ 10000	40.7	40.7	41.1	41.1	41.5	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.9	41.9
≥ 9000	44.4	44.4	45.0	45.0	45.4	45.4	45.6	45.6	45.6	45.8	45.8	45.8	46.0	46.0
≥ 8000	54.6	55.2	55.7	55.7	56.5	56.5	56.7	56.7	56.7	56.9	56.9	56.9	57.1	57.1
≥ 7000	58.1	58.7	59.1	59.1	59.9	59.9	60.1	60.1	60.1	60.5	60.5	60.5	60.7	60.7
≥ 6000	60.7	61.5	61.9	61.9	62.7	62.7	62.9	62.9	62.9	63.3	63.3	63.3	63.5	63.5
≥ 5000	62.3	63.3	63.7	63.7	64.5	64.5	64.7	64.7	64.7	65.3	65.3	65.3	65.5	65.5
≥ 4500	62.3	63.3	63.7	63.7	64.5	64.5	64.7	64.7	64.7	65.3	65.3	65.3	65.5	65.5
≥ 4000	64.3	65.3	65.9	65.9	66.7	66.7	66.9	66.9	66.9	67.5	67.5	67.5	67.7	67.7
≥ 3500	66.1	67.1	67.7	67.7	68.8	68.8	69.0	69.0	69.0	69.6	69.6	69.6	69.8	69.8
≥ 3000	69.4	70.4	71.2	71.2	72.2	72.2	72.8	73.0	73.0	73.6	73.6	73.8	74.0	74.0
≥ 2500	70.6	71.8	72.6	72.6	73.6	73.6	74.2	74.4	74.4	75.0	75.0	75.2	75.4	75.4
≥ 2000	77.0	78.2	79.0	79.0	80.2	80.2	81.1	81.3	81.3	82.1	82.1	82.3	82.7	82.7
≥ 1800	77.0	78.2	79.0	79.0	80.2	80.2	81.1	81.3	81.3	82.1	82.1	82.3	82.7	82.7
≥ 1500	80.0	81.3	82.5	82.5	84.1	84.1	85.3	85.5	85.5	86.5	86.5	86.9	87.3	87.3
≥ 1200	80.0	81.3	82.5	82.5	84.1	84.1	85.3	85.5	85.5	86.5	86.5	86.9	87.3	87.3
≥ 1000	81.1	82.7	84.5	84.5	86.9	87.1	89.3	89.7	89.7	90.9	90.9	91.9	93.4	93.4
≥ 900	81.1	82.7	84.7	85.1	87.1	87.3	89.7	90.1	90.1	91.3	91.3	92.3	94.0	94.0
≥ 800	81.3	82.9	84.9	85.3	87.3	87.5	89.9	90.3	90.3	91.7	91.7	93.2	95.0	95.0
≥ 700	81.3	82.9	84.9	85.3	87.3	87.5	89.9	90.3	90.3	91.7	91.7	93.4	95.4	95.4
≥ 600	81.3	82.9	84.9	85.3	87.3	87.5	89.9	90.3	90.3	91.7	91.7	93.4	95.4	95.4
≥ 500	81.3	82.9	84.9	85.3	87.3	87.5	89.9	90.3	90.3	91.7	91.7	93.4	95.4	95.4
≥ 400	81.3	82.9	84.9	85.3	87.3	87.5	89.9	90.3	90.3	91.7	91.7	93.4	95.4	95.4
≥ 300	81.3	82.9	84.9	85.3	87.3	87.5	89.9	90.3	90.3	91.7	91.7	93.4	95.4	95.4
≥ 200	81.3	82.9	84.9	85.3	87.3	87.5	89.9	90.3	90.3	91.7	91.7	93.4	95.4	95.4
≥ 100	81.3	82.9	84.9	85.3	87.3	87.5	89.9	90.3	90.3	91.7	91.7	93.4	95.4	95.4
0	81.3	82.9	84.9	85.3	87.3	87.5	89.9	90.3	90.3	91.7	91.7	93.4	95.4	95.4

496

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	64.2	64.2	64.2
≥ 20000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	64.2	64.2	64.2
≥ 18000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	64.2	64.2	64.2
≥ 16000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	65.0	65.0	65.0
≥ 14000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	65.0	65.0	65.0
≥ 12000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.8	65.8	65.8
≥ 10000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.7	66.7	66.7
≥ 9000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.5	67.5	67.5
≥ 8000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	70.0	70.0	70.0
≥ 7000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.7	71.7	71.7
≥ 6000	72.5	72.5	72.5	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.2	74.2	74.2
≥ 5000	74.2	74.2	74.2	75.0	75.8	75.8	75.8	75.8	75.8	75.8	76.7	76.7	76.7
≥ 4500	74.2	74.2	74.2	75.0	75.8	75.8	75.8	75.8	75.8	75.8	76.7	76.7	76.7
≥ 4000	76.7	76.7	76.7	77.5	78.3	78.3	78.3	78.3	78.3	78.3	79.2	79.2	79.2
≥ 3500	76.7	76.7	76.7	77.5	78.3	78.3	78.3	78.3	78.3	78.3	79.2	79.2	79.2
≥ 3000	81.7	81.7	81.7	82.5	83.3	83.3	83.3	83.3	83.3	83.3	84.2	84.2	84.2
≥ 2500	81.7	81.7	81.7	82.5	83.3	83.3	83.3	83.3	83.3	83.3	84.2	84.2	84.2
≥ 2000	85.8	85.8	86.7	87.5	88.3	88.3	89.2	89.2	89.2	89.2	90.0	90.0	90.0
≥ 1800	85.8	85.8	86.7	87.5	88.3	88.3	89.2	89.2	89.2	89.2	90.0	90.0	90.0
≥ 1500	86.7	86.7	87.5	88.3	89.2	89.2	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1200	87.5	87.5	88.3	89.2	90.0	90.0	90.8	91.7	91.7	91.7	92.5	92.5	92.5
≥ 1000	87.5	87.5	89.2	90.0	90.8	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0
≥ 900	87.5	87.5	89.2	90.0	90.8	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0
≥ 800	87.5	87.5	89.2	90.0	90.8	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0
≥ 700	87.5	87.5	89.2	90.0	90.8	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0
≥ 600	87.5	87.5	89.2	90.0	90.8	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0
≥ 500	87.5	87.5	89.2	90.0	90.8	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0
≥ 400	87.5	87.5	89.2	90.0	90.8	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0
≥ 300	87.5	87.5	89.2	90.0	90.8	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0
≥ 200	87.5	87.5	89.2	90.0	90.8	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0
≥ 100	87.5	87.5	89.2	90.0	90.8	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0
0	87.5	87.5	89.2	90.0	90.8	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS

120

DIRNAVOCEANMET

SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
157-100

MC MURDO STATION, ANTARCTICA
STATION NAME

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING ≥ 20000												
18000 AI AI												
16000 AI AI												
14000 AI AI												
12000 AI AI												
10000 AI AI												
9000 AI AI												
8000 AI AI												
7000 AI AI												
6000 AI AI												
5000 AI AI												
4500 AI AI												
4000 AI AI												
3500 AI AI												
3000 AI AI												
2500 AI AI												
2000 AI AI												
1800 AI AI												
1500 AI AI												
1200 AI AI												
1000 AI AI												
900 AI AI												
800 AI AI												
700 AI AI												
600 AI AI												
500 AI AI												
400 AI AI												
300 AI AI												
200 AI AI												
100 AI AI												
0 AI AI												

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.3	53.3	53.3	53.3	53.3	53.3	53.3	54.2	54.2	54.2	54.2	55.0	55.0	55.0	55.0
≥ 20000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	55.0	55.0	55.0	55.0	55.8	55.8	55.8	55.8
≥ 18000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.8	55.8	55.8	55.8	56.7	56.7	56.7	56.7
≥ 16000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.5	57.5	57.5	57.5	58.3	58.3	58.3	58.3
≥ 14000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.5	57.5	57.5	57.5	58.3	58.3	58.3	58.3
≥ 12000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.5	57.5	57.5	57.5	58.3	58.3	58.3	58.3
≥ 10000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	59.2	59.2	59.2	59.2	60.0	60.0	60.0	60.0
≥ 9000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.8	60.8	60.8	60.8	61.7	61.7	61.7	61.7
≥ 8000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.5	67.5	67.5	67.5	68.3	68.3	68.3	68.3
≥ 7000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	69.2	69.2	69.2	69.2	70.0	70.0	70.0	70.0
≥ 6000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	70.0	70.0	70.0	70.0	70.8	70.8	70.8	70.8
≥ 5000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.8	70.8	70.8	70.8	71.7	71.7	71.7	71.7
≥ 4500	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.8	70.8	70.8	70.8	71.7	71.7	71.7	71.7
≥ 4000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.7	71.7	71.7	71.7	72.5	72.5	72.5	72.5
≥ 3500	72.5	72.5	72.5	72.5	72.5	72.5	72.5	73.3	73.3	73.3	73.3	74.2	74.2	74.2	74.2
≥ 3000	72.5	72.5	72.5	72.5	72.5	72.5	72.5	73.3	73.3	73.3	73.3	74.2	74.2	74.2	74.2
≥ 2500	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
≥ 2000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
≥ 1800	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
≥ 1500	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
≥ 1200	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
≥ 1000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
≥ 900	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
≥ 800	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
≥ 700	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
≥ 600	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
≥ 500	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
≥ 400	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
≥ 300	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
≥ 200	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
≥ 100	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8
0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8

TOTAL NUMBER OF OBSERVATIONS

120

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

APR
MONTH

12

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 18000	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 16000	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 14000	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 12000	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 10000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 9000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 8000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 7000	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 6000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 4500	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3500	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 2000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 1800	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1200	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 900	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 800	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 700	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 600	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 500	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 400	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 300	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 200	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 100	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

120

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

YEARS

APR
MONTH

15

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATIONMC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

APR
MONTH

18

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	50.0	50.0	50.8	50.8	50.8	50.8	50.8	51.7	51.7	51.7	51.7	51.7
≥ 20000	50.0	50.0	50.8	50.8	50.8	50.8	50.8	51.7	51.7	51.7	51.7	51.7
≥ 18000	50.0	50.0	50.8	50.8	50.8	50.8	50.8	51.7	51.7	51.7	51.7	51.7
≥ 16000	50.8	50.8	51.7	51.7	51.7	51.7	51.7	52.5	52.5	52.5	52.5	52.5
≥ 14000	54.2	54.2	55.0	55.0	55.0	55.0	55.0	55.8	55.8	55.8	55.8	55.8
≥ 12000	56.7	56.7	57.5	57.5	57.5	57.5	57.5	58.3	58.3	58.3	58.3	58.3
≥ 10000	56.7	56.7	57.5	57.5	57.5	57.5	57.5	58.3	58.3	58.3	58.3	58.3
≥ 9000	58.3	58.3	59.2	59.2	59.2	59.2	59.2	60.0	60.0	60.0	60.0	60.0
≥ 8000	61.7	61.7	62.5	62.5	62.5	62.5	62.5	63.3	63.3	63.3	63.3	63.3
≥ 7000	64.2	64.2	65.0	65.0	65.0	65.0	65.0	65.8	65.8	65.8	65.8	65.8
≥ 6000	69.2	69.2	70.0	70.0	70.0	70.0	70.0	70.8	70.8	70.8	70.8	70.8
≥ 5000	70.8	70.8	71.7	71.7	71.7	71.7	71.7	72.5	72.5	72.5	72.5	72.5
≥ 4500	70.8	70.8	71.7	71.7	71.7	71.7	71.7	72.5	72.5	72.5	72.5	72.5
≥ 4000	73.3	73.3	74.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.0
≥ 3500	74.2	74.2	75.0	75.0	75.0	75.0	75.0	75.8	75.8	75.8	75.8	75.8
≥ 3000	79.2	79.2	80.0	80.0	80.0	80.0	80.0	81.7	81.7	81.7	81.7	81.7
≥ 2500	80.0	80.0	80.8	80.8	80.8	80.8	80.8	81.7	81.7	81.7	81.7	81.7
≥ 2000	85.8	85.8	86.7	86.7	86.7	86.7	86.7	87.5	87.5	87.5	87.5	87.5
≥ 1800	85.8	85.8	86.7	86.7	86.7	86.7	86.7	87.5	87.5	87.5	87.5	87.5
≥ 1500	86.7	86.7	87.5	87.5	87.5	87.5	87.5	88.3	88.3	88.3	88.3	88.3
≥ 1200	86.7	86.7	87.5	87.5	87.5	87.5	87.5	88.3	88.3	88.3	88.3	88.3
≥ 1000	87.5	87.5	88.3	88.3	88.3	88.3	88.3	89.2	89.2	89.2	89.2	89.2
≥ 900	87.5	87.5	88.3	88.3	88.3	88.3	88.3	89.2	89.2	89.2	89.2	89.2
≥ 800	87.5	87.5	88.3	88.3	88.3	88.3	88.3	89.2	89.2	89.2	89.2	89.2
≥ 700	88.3	88.3	89.2	89.2	89.2	89.2	89.2	90.0	90.0	90.0	90.0	90.0
≥ 600	88.3	88.3	89.2	89.2	89.2	89.2	89.2	90.0	90.0	90.0	90.0	90.0
≥ 500	88.3	88.3	89.2	89.2	89.2	89.2	89.2	90.0	90.0	90.0	90.0	90.0
≥ 400	88.3	88.3	89.2	89.2	89.2	89.2	89.2	90.0	90.0	90.0	90.0	90.0
≥ 300	88.3	88.3	89.2	89.2	89.2	89.2	89.2	90.0	90.0	90.0	90.0	90.0
≥ 200	88.3	88.3	89.2	89.2	89.2	89.2	89.2	90.0	90.0	90.0	90.0	90.0
≥ 100	88.3	88.3	89.2	89.2	89.2	89.2	89.2	90.0	90.0	90.0	90.0	90.0
0	88.3	88.3	89.2	89.2	89.2	89.2	89.2	90.0	90.0	90.0	90.0	90.0

TOTAL NUMBER OF OBSERVATIONS

120

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601

MC MURDO STATION, ANTARCTICA

YEARS

APR	MONTH
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**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

21

HOURS (L.S.T.)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	51.7	51.7	51.9	51.9	51.9	51.9	52.1	52.3	52.3	52.3	52.5	52.5	52.7
≥ 20000	52.5	52.5	52.7	52.7	52.7	52.7	52.7	53.1	53.1	53.1	53.3	53.3	53.5
≥ 18000	52.7	52.7	52.9	52.9	52.9	52.9	53.1	53.3	53.3	53.3	53.5	53.5	53.8
≥ 16000	54.6	54.6	54.8	54.8	54.8	54.8	55.0	55.2	55.2	55.2	55.4	55.4	55.6
≥ 14000	55.8	55.8	56.0	56.0	56.0	56.0	56.3	56.5	56.5	56.5	56.7	56.7	56.9
≥ 12000	56.7	56.7	56.9	56.9	56.9	56.9	57.1	57.3	57.3	57.3	57.5	57.5	57.7
≥ 10000	57.7	57.7	57.9	57.9	57.9	57.9	58.1	58.3	58.3	58.3	58.8	59.0	59.2
≥ 9000	59.6	59.6	59.8	59.8	59.8	59.8	60.0	60.2	60.2	60.2	60.6	60.8	61.0
≥ 8000	63.8	64.0	64.2	64.2	64.2	64.2	64.4	64.6	64.6	64.6	65.0	65.4	65.4
≥ 7000	66.5	66.7	66.9	66.9	66.9	66.9	67.1	67.3	67.3	67.3	67.7	67.9	68.1
≥ 6000	69.2	69.4	69.8	70.0	70.0	70.0	70.2	70.4	70.4	70.4	70.8	71.3	71.5
≥ 5000	70.8	71.0	71.5	71.7	71.9	71.9	72.1	72.3	72.3	72.5	72.9	73.3	73.5
≥ 4500	70.8	71.0	71.5	71.7	71.9	71.9	72.1	72.3	72.3	72.5	72.9	73.3	73.5
≥ 4000	72.5	72.9	73.3	73.5	73.8	73.8	74.0	74.2	74.2	74.4	74.8	75.2	75.4
≥ 3500	73.8	74.2	74.6	74.8	75.0	75.0	75.2	75.4	75.4	75.6	76.0	76.5	76.7
≥ 3000	76.7	77.1	77.5	77.7	78.1	78.1	78.3	78.5	78.5	78.8	79.2	79.6	79.8
≥ 2500	77.1	77.5	78.3	78.5	79.0	79.0	79.2	79.4	79.4	79.6	80.0	80.4	80.6
≥ 2000	81.0	81.7	82.9	83.3	84.2	84.2	85.0	85.2	85.2	85.4	86.0	86.5	86.7
≥ 1800	81.0	81.7	82.9	83.3	84.2	84.2	85.0	85.2	85.2	85.4	86.0	86.5	86.7
≥ 1500	83.3	84.2	86.5	86.9	87.9	87.9	89.2	89.6	89.6	89.8	90.4	91.5	91.7
≥ 1200	83.5	84.4	86.7	87.1	88.1	88.1	89.4	89.8	89.8	90.0	90.6	91.7	91.9
≥ 1000	84.6	85.6	88.3	89.4	90.8	90.8	92.7	93.1	93.1	93.8	94.6	95.2	97.7
≥ 900	84.6	85.6	88.3	89.4	90.8	90.8	92.7	93.1	93.1	93.8	94.6	95.2	97.7
≥ 800	84.6	85.6	88.3	89.4	90.8	90.8	92.7	93.1	93.1	93.8	94.6	95.2	97.7
≥ 700	84.8	85.8	88.5	89.6	91.0	91.0	92.9	93.3	93.3	94.0	94.8	95.4	98.3
≥ 600	84.8	85.8	88.5	89.6	91.0	91.0	92.9	93.3	93.3	94.0	94.8	95.4	98.5
≥ 500	84.8	85.8	88.5	89.6	91.0	91.0	92.9	93.3	93.3	94.0	94.8	95.4	98.8
≥ 400	84.8	85.8	88.8	89.8	91.3	91.3	93.1	93.5	93.5	94.2	95.0	95.8	99.4
≥ 300	84.8	85.8	88.8	89.8	91.3	91.3	93.1	93.5	93.5	94.2	95.0	95.8	99.4
≥ 200	84.8	85.8	88.8	89.8	91.3	91.3	93.1	93.5	93.5	94.2	95.0	95.8	99.6
≥ 100	84.8	85.8	88.8	89.8	91.3	91.3	93.1	93.5	93.5	94.2	95.0	95.8	99.6
≥ 0	84.8	85.8	88.8	89.8	91.3	91.3	93.1	93.5	93.5	94.2	95.0	95.8	99.6

480

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	52.4	53.2	53.2	53.2	54.0	54.0	55.7	55.7	55.7	56.5	56.5
≥ 20000	52.4	53.2	53.2	53.2	54.0	54.0	55.7	55.7	55.7	56.5	56.5
≥ 18000	52.4	53.2	53.2	53.2	54.0	54.0	55.7	55.7	55.7	56.5	56.5
≥ 16000	52.4	53.2	53.2	53.2	54.0	54.0	55.7	55.7	55.7	56.5	56.5
≥ 14000	53.2	54.0	54.0	54.0	54.8	54.8	56.5	56.5	56.5	57.3	57.3
≥ 12000	54.8	55.7	55.7	55.7	56.5	56.5	58.1	58.1	58.1	58.9	58.9
≥ 10000	57.3	58.1	58.1	58.1	58.9	58.9	60.5	60.5	60.5	61.3	61.3
≥ 9000	57.3	58.1	58.1	58.1	58.9	58.9	60.5	60.5	60.5	61.3	61.3
8000	60.5	62.1	62.1	62.1	62.9	62.9	64.5	64.5	64.5	65.3	65.3
7000	63.7	65.3	65.3	65.3	66.1	66.1	67.7	67.7	67.7	68.6	68.6
6000	70.2	72.6	73.4	73.4	74.2	74.2	75.8	75.8	75.8	76.6	76.6
5000	72.6	75.8	76.6	77.4	78.2	78.2	79.8	79.8	79.8	81.5	81.5
4500	72.6	75.8	76.6	77.4	78.2	78.2	79.8	79.8	79.8	81.5	81.5
4000	72.6	75.8	76.6	78.2	79.0	79.0	80.7	80.7	80.7	82.3	82.3
3500	73.4	76.6	77.4	78.2	79.8	79.8	81.5	81.5	81.5	83.1	83.1
3000	75.0	78.2	81.5	83.1	83.9	83.9	85.5	85.5	85.5	87.1	87.1
2500	75.0	79.0	82.3	83.9	84.7	84.7	86.3	86.3	86.3	88.7	88.7
2000	75.0	79.0	83.1	84.7	85.5	85.5	87.1	87.1	87.1	89.5	89.5
1800	75.0	79.0	83.1	84.7	85.5	85.5	87.1	87.1	87.1	89.5	89.5
1500	75.8	79.8	83.9	85.5	87.1	87.1	88.7	88.7	88.7	91.9	91.9
1200	75.8	79.8	83.9	85.5	87.1	87.1	88.7	88.7	88.7	91.9	91.9
1000	75.8	79.8	83.9	85.5	87.1	87.1	88.7	88.7	88.7	91.9	91.9
900	75.8	79.8	83.9	85.5	87.1	87.1	88.7	88.7	88.7	91.9	91.9
800	75.8	79.8	83.9	85.5	87.1	87.1	88.7	88.7	88.7	91.9	91.9
700	75.8	79.8	83.9	85.5	87.1	87.1	88.7	88.7	88.7	91.9	91.9
600	75.8	79.8	83.9	85.5	87.1	87.1	88.7	88.7	88.7	91.9	91.9
500	75.8	79.8	83.9	85.5	87.1	87.1	88.7	88.7	88.7	91.9	91.9
400	75.8	79.8	83.9	85.5	87.1	87.1	88.7	88.7	88.7	91.9	91.9
300	75.8	79.8	83.9	85.5	87.1	87.1	88.7	88.7	88.7	91.9	91.9
200	75.8	79.8	83.9	85.5	87.1	87.1	88.7	88.7	88.7	91.9	91.9
100	75.8	79.8	83.9	85.5	87.1	87.1	88.7	88.7	88.7	91.9	91.9
0	75.8	79.8	83.9	85.5	87.1	87.1	88.7	88.7	88.7	91.9	91.9

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

87601

STATION

MC MURDO STATION, ANTARCTICA

STATION NAME

76

YEARS

MAY

MONTH

03

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	53.2	53.2	53.2	53.2	56.5	56.5	57.3	57.3	57.3	58.1	58.1	58.1	58.1	58.1
≥ 20000	54.0	54.0	54.0	54.0	57.3	57.3	58.1	58.1	58.1	58.9	58.9	58.9	58.9	58.9
≥ 18000	56.5	56.5	57.3	57.3	60.5	60.5	61.3	61.3	61.3	62.1	62.1	62.1	62.1	62.1
≥ 16000	56.5	56.5	57.3	57.3	60.5	60.5	61.3	61.3	61.3	62.1	62.1	62.1	62.1	62.1
≥ 14000	56.5	56.5	57.3	57.3	60.5	60.5	61.3	61.3	61.3	62.1	62.1	62.1	62.1	62.1
≥ 12000	59.7	59.7	60.5	60.5	63.7	63.7	64.5	64.5	64.5	65.3	65.3	65.3	65.3	65.3
≥ 10000	60.5	60.5	61.3	61.3	64.5	64.5	65.3	65.3	65.3	66.1	66.1	66.1	66.1	66.1
≥ 9000	61.3	61.3	62.1	62.1	65.3	65.3	66.1	66.1	66.1	67.7	67.7	67.7	67.7	67.7
≥ 8000	62.1	62.1	62.9	62.9	66.1	66.1	66.9	66.9	66.9	68.6	68.6	68.6	68.6	68.6
≥ 7000	66.1	66.1	67.7	67.7	71.0	71.0	71.8	71.8	71.8	73.4	73.4	73.4	73.4	73.4
≥ 6000	68.6	68.6	70.2	71.0	75.0	75.0	75.8	75.8	75.8	77.4	77.4	77.4	77.4	77.4
≥ 5000	70.2	70.2	71.8	72.6	76.6	76.6	77.4	77.4	77.4	79.0	79.0	79.0	79.0	79.0
≥ 4500	70.2	70.2	71.8	72.6	76.6	76.6	77.4	77.4	77.4	79.0	79.0	79.0	79.0	79.0
≥ 4000	70.2	71.0	73.4	74.2	79.0	79.0	79.8	79.8	79.8	81.5	81.5	81.5	81.5	81.5
≥ 3500	70.2	71.8	74.2	75.0	79.8	79.8	80.7	80.7	80.7	82.3	82.3	82.3	82.3	82.3
≥ 3000	70.2	71.8	74.2	75.0	79.8	79.8	81.5	81.5	81.5	83.1	83.1	83.1	83.1	83.1
≥ 2500	72.6	74.2	76.6	77.4	83.1	83.1	84.7	84.7	84.7	87.1	87.1	87.1	87.1	87.1
≥ 2000	74.2	75.8	78.2	79.0	84.7	84.7	87.1	87.1	87.1	89.5	89.5	89.5	89.5	89.5
≥ 1800	74.2	75.8	78.2	79.0	84.7	84.7	87.1	87.1	87.1	89.5	89.5	89.5	89.5	89.5
≥ 1500	74.2	75.8	78.2	79.0	84.7	84.7	87.1	87.1	87.1	89.5	89.5	89.5	89.5	89.5
≥ 1200	74.2	75.8	78.2	79.0	84.7	84.7	87.1	87.1	87.1	89.5	89.5	89.5	89.5	89.5
≥ 1000	74.2	75.8	78.2	79.0	85.5	85.5	88.7	88.7	88.7	92.7	92.7	92.7	92.7	92.7
≥ 900	74.2	75.8	78.2	79.0	85.5	85.5	88.7	88.7	88.7	92.7	92.7	92.7	92.7	92.7
≥ 800	74.2	75.8	78.2	79.0	85.5	85.5	88.7	88.7	88.7	92.7	92.7	92.7	92.7	92.7
≥ 700	74.2	75.8	78.2	79.0	85.5	85.5	88.7	88.7	88.7	92.7	92.7	92.7	92.7	92.7
≥ 600	74.2	75.8	78.2	79.0	85.5	85.5	88.7	88.7	88.7	92.7	92.7	92.7	92.7	92.7
≥ 500	74.2	75.8	78.2	79.0	85.5	85.5	88.7	88.7	88.7	92.7	92.7	92.7	92.7	92.7
≥ 400	74.2	75.8	78.2	79.0	85.5	85.5	88.7	88.7	88.7	92.7	92.7	92.7	92.7	92.7
≥ 300	74.2	75.8	78.2	79.0	85.5	85.5	88.7	88.7	88.7	92.7	92.7	92.7	92.7	92.7
≥ 200	74.2	75.8	78.2	79.0	85.5	85.5	88.7	88.7	88.7	92.7	92.7	92.7	92.7	92.7
≥ 100	74.2	75.8	78.2	79.0	85.5	85.5	88.7	88.7	88.7	92.7	92.7	92.7	92.7	92.7
0	74.2	75.8	78.2	79.0	85.5	85.5	88.7	88.7	88.7	92.7	92.7	92.7	92.7	92.7

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

76

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	34.7	35.5	35.5	35.5	35.5	35.5	36.3	36.3	36.3	36.3	36.3	36.3	37.1	37.1
≥ 20000	37.1	37.9	37.9	37.9	37.9	37.9	38.7	38.7	38.7	38.7	38.7	38.7	39.5	39.5
≥ 18000	37.9	38.7	38.7	38.7	38.7	38.7	39.5	39.5	39.5	39.5	39.5	39.5	40.3	40.3
≥ 16000	38.7	39.5	39.5	39.5	39.5	39.5	40.3	40.3	40.3	40.3	40.3	40.3	41.1	41.1
≥ 14000	40.3	41.1	41.1	41.1	41.1	41.1	41.9	41.9	41.9	41.9	41.9	41.9	42.7	42.7
≥ 12000	41.9	42.7	42.7	42.7	42.7	42.7	43.6	43.6	43.6	43.6	43.6	43.6	44.4	44.4
≥ 10000	46.0	46.8	46.8	46.8	46.8	46.8	47.6	47.6	47.6	47.6	47.6	47.6	48.4	48.4
≥ 9000	47.6	48.4	48.4	48.4	48.4	48.4	49.2	49.2	49.2	49.2	49.2	49.2	50.0	50.0
≥ 8000	56.5	57.3	57.3	57.3	57.3	57.3	58.1	58.1	58.1	58.1	58.1	58.1	58.9	58.9
≥ 7000	58.1	58.9	58.9	58.9	58.9	58.9	60.5	60.5	60.5	60.5	60.5	60.5	61.3	61.3
≥ 6000	59.7	61.3	62.1	62.1	62.1	62.1	62.9	62.9	63.7	63.7	63.7	63.7	64.5	64.5
≥ 5000	60.5	65.3	66.9	66.9	66.9	66.9	67.7	67.7	68.6	69.4	69.4	69.4	70.2	70.2
≥ 4500	60.5	65.3	66.9	66.9	66.9	66.9	67.7	67.7	68.6	69.4	69.4	69.4	70.2	70.2
≥ 4000	62.9	67.7	69.4	69.4	69.4	69.4	70.2	70.2	71.0	71.8	71.8	71.8	72.6	72.6
≥ 3500	63.7	68.6	71.0	71.0	71.0	71.0	71.8	71.8	72.6	73.4	73.4	73.4	74.2	74.2
≥ 3000	67.7	73.4	77.4	77.4	77.4	77.4	78.2	78.2	79.0	79.8	79.8	79.8	80.7	80.7
≥ 2500	67.7	73.4	77.4	77.4	77.4	77.4	78.2	78.2	79.0	79.8	79.8	79.8	80.7	80.7
≥ 2000	70.2	75.8	81.5	81.5	83.1	83.1	84.7	84.7	85.5	86.3	87.1	87.1	87.9	87.9
≥ 1800	70.2	75.8	81.5	81.5	83.1	83.1	84.7	84.7	85.5	86.3	87.1	87.1	87.9	87.9
≥ 1500	72.6	79.0	84.7	84.7	86.3	86.3	88.7	88.7	89.5	90.3	91.1	91.1	91.9	91.9
≥ 1200	72.6	79.0	84.7	84.7	86.3	86.3	88.7	88.7	89.5	90.3	91.1	91.1	91.9	91.9
≥ 1000	72.6	79.0	85.5	85.5	87.1	87.1	89.5	89.5	90.3	91.1	91.9	91.9	92.7	92.7
≥ 900	72.6	79.0	85.5	85.5	87.1	87.1	89.5	89.5	90.3	91.1	91.9	91.9	92.7	92.7
≥ 800	72.6	79.0	85.5	85.5	87.1	87.1	89.5	89.5	90.3	91.1	91.9	91.9	92.7	92.7
≥ 700	72.6	79.0	85.5	85.5	87.1	87.1	89.5	89.5	90.3	91.1	91.9	91.9	92.7	92.7
≥ 600	72.6	79.0	85.5	85.5	87.1	87.1	89.5	89.5	90.3	91.1	91.9	91.9	92.7	92.7
≥ 500	72.6	79.0	85.5	85.5	87.1	87.1	89.5	89.5	90.3	91.1	91.9	91.9	92.7	92.7
≥ 400	72.6	79.0	85.5	85.5	87.1	87.1	89.5	89.5	90.3	91.1	91.9	91.9	92.7	92.7
≥ 300	72.6	79.0	85.5	85.5	87.1	87.1	89.5	89.5	90.3	91.1	91.9	91.9	92.7	92.7
≥ 200	72.6	79.0	85.5	85.5	87.1	87.1	89.5	89.5	90.3	91.1	91.9	91.9	92.7	92.7
≥ 100	72.6	79.0	85.5	85.5	87.1	87.1	89.5	89.5	90.3	91.1	91.9	91.9	92.7	92.7
0	72.6	79.0	85.5	85.5	87.1	87.1	89.5	89.5	90.3	91.1	91.9	91.9	92.7	92.7

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
87601

STATION NAME
MC MURDO STATION, ANTARCTICA

76

YEARS

MONTH
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)
15

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1

AD-A063 829

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C

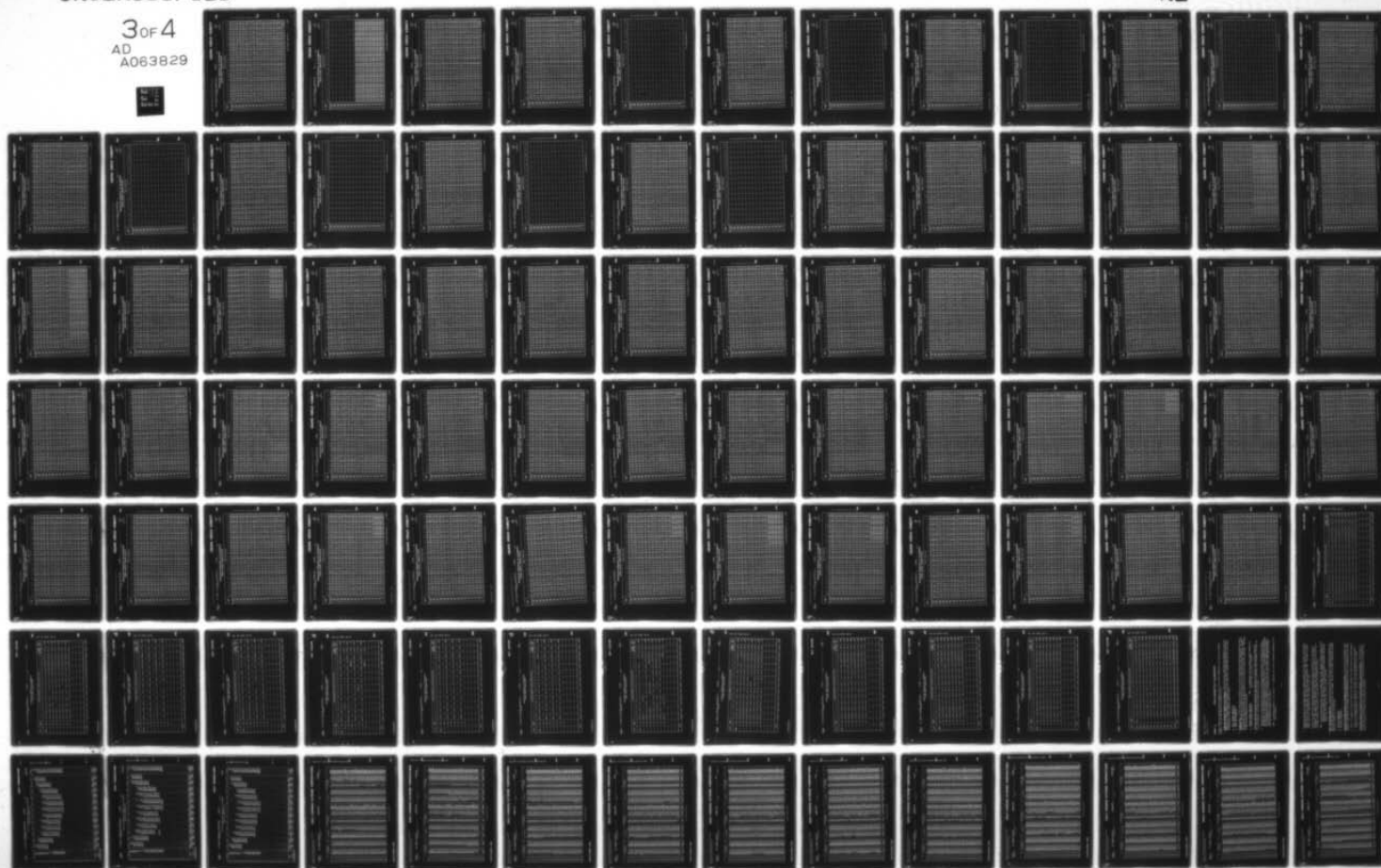
F/G 4/2

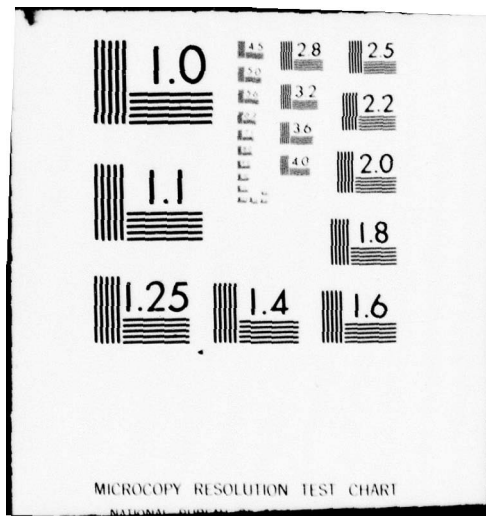
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), MCMURDO--ETC(U)
JUL 78

UNCLASSIFIED

NL

3 of 4
AD
A063829





CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION
87601

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	43.6	43.6	44.4	44.4	44.4	44.4	45.2	45.2	45.2	46.0	46.0	46.0	46.8	46.8
≥ 20000	43.6	43.6	44.4	44.4	44.4	44.4	45.2	45.2	45.2	46.0	46.0	46.0	46.8	46.8
≥ 18000	43.6	43.6	44.4	44.4	44.4	44.4	45.2	45.2	45.2	46.0	46.0	46.0	46.8	46.8
≥ 16000	44.4	44.4	45.2	45.2	45.2	45.2	46.0	46.0	46.0	46.8	46.8	46.8	47.6	47.6
≥ 14000	45.2	45.2	46.0	46.0	46.0	46.0	46.8	46.8	46.8	47.6	47.6	47.6	48.4	48.4
≥ 12000	45.2	45.2	46.0	46.0	46.0	46.0	46.8	46.8	46.8	47.6	47.6	47.6	48.4	48.4
≥ 10000	48.4	48.4	49.2	49.2	49.2	49.2	50.0	50.0	50.0	50.8	50.8	50.8	51.6	51.6
≥ 9000	50.8	50.8	51.6	51.6	51.6	51.6	52.4	52.4	52.4	53.2	53.2	53.2	54.0	54.0
≥ 8000	52.4	52.4	54.0	54.0	54.0	54.0	54.8	54.8	54.8	55.6	55.6	55.6	56.4	56.4
≥ 7000	54.0	54.0	57.3	57.3	57.3	57.3	58.1	58.1	58.1	58.9	58.9	58.9	59.7	59.7
≥ 6000	59.7	62.1	64.5	64.5	64.5	64.5	65.3	65.3	65.3	66.1	66.1	66.1	66.9	66.9
≥ 5000	61.3	63.7	66.1	66.1	66.1	66.1	66.9	66.9	66.9	67.7	67.7	67.7	68.5	68.5
≥ 4500	61.3	63.7	66.1	66.1	66.1	66.1	66.9	66.9	66.9	67.7	67.7	67.7	68.5	68.5
≥ 4000	63.7	66.1	70.2	70.2	70.2	70.2	71.0	71.0	71.0	71.8	71.8	71.8	72.6	72.6
≥ 3500	64.5	67.7	71.0	71.0	71.0	71.0	71.8	71.8	71.8	72.6	72.6	72.6	73.4	73.4
≥ 3000	66.9	70.2	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.8	75.8	75.8	76.6	76.6
≥ 2500	67.7	71.0	75.0	75.0	75.0	75.0	75.8	75.8	75.8	76.6	76.6	76.6	77.4	77.4
≥ 2000	69.4	73.4	77.4	77.4	77.4	77.4	78.2	78.2	78.2	79.0	79.0	79.0	79.8	79.8
≥ 1800	69.4	73.4	77.4	77.4	77.4	77.4	78.2	78.2	78.2	79.0	79.0	79.0	79.8	79.8
≥ 1500	70.2	74.2	78.2	78.2	78.2	78.2	79.0	79.0	79.0	80.7	80.7	80.7	81.5	81.5
≥ 1200	70.2	74.2	78.2	78.2	78.2	78.2	79.0	79.0	79.0	80.7	80.7	80.7	81.5	81.5
≥ 1000	70.2	74.2	78.2	78.2	78.2	78.2	79.0	79.0	79.0	80.7	80.7	80.7	81.5	81.5
≥ 900	70.2	74.2	78.2	78.2	78.2	78.2	79.0	79.0	79.0	80.7	80.7	80.7	81.5	81.5
≥ 800	70.2	74.2	78.2	78.2	78.2	78.2	79.0	79.0	79.0	80.7	80.7	80.7	81.5	81.5
≥ 700	70.2	74.2	78.2	78.2	78.2	78.2	79.0	79.0	79.0	80.7	80.7	80.7	81.5	81.5
≥ 600	70.2	74.2	78.2	78.2	78.2	78.2	79.0	79.0	79.0	80.7	80.7	80.7	81.5	81.5
≥ 500	70.2	74.2	78.2	78.2	78.2	78.2	79.0	79.0	79.0	80.7	80.7	80.7	81.5	81.5
≥ 400	70.2	74.2	78.2	78.2	78.2	78.2	79.0	79.0	79.0	80.7	80.7	80.7	81.5	81.5
≥ 300	70.2	74.2	78.2	78.2	78.2	78.2	79.0	79.0	79.0	80.7	80.7	80.7	81.5	81.5
≥ 200	70.2	74.2	78.2	78.2	78.2	78.2	79.0	79.0	79.0	80.7	80.7	80.7	81.5	81.5
≥ 100	70.2	74.2	78.2	78.2	78.2	78.2	79.0	79.0	79.0	80.7	80.7	80.7	81.5	81.5
0	70.2	74.2	78.2	78.2	78.2	78.2	79.0	79.0	79.0	80.7	80.7	80.7	81.5	81.5

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

76

YEARS

MAY
MONTH

21

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.0	46.4	46.6	46.6	47.6	47.6	48.6	48.6	48.6	49.2	49.2	49.2	49.6	49.8	50.0
≥ 20000	46.8	47.2	47.4	47.4	48.4	48.4	49.4	49.4	49.4	50.0	50.0	50.0	50.4	50.6	50.8
≥ 18000	47.6	48.0	48.4	48.4	49.4	49.4	50.4	50.4	50.4	51.0	51.0	51.0	51.4	51.6	51.8
≥ 16000	48.0	48.4	48.8	48.8	49.8	49.8	50.8	50.8	50.8	51.4	51.4	51.4	51.8	52.0	52.2
≥ 14000	48.8	49.2	49.6	49.6	50.6	50.6	51.6	51.6	51.6	52.2	52.2	52.2	52.6	52.8	53.0
≥ 12000	50.4	50.8	51.2	51.2	52.2	52.2	53.2	53.2	53.2	53.8	53.8	53.8	54.2	54.4	54.6
≥ 10000	53.0	53.4	53.8	53.8	54.8	54.8	55.8	55.8	55.8	56.4	56.4	56.4	56.8	57.0	57.2
≥ 9000	54.2	54.6	55.0	55.0	56.0	56.0	57.0	57.0	57.0	57.6	57.6	57.6	58.0	58.2	58.4
≥ 8000	57.8	58.4	59.0	59.0	60.0	60.0	61.0	61.0	61.0	61.6	61.6	61.6	62.0	62.2	62.4
≥ 7000	60.4	61.2	62.4	62.4	63.4	63.4	64.4	64.4	64.4	65.2	65.2	65.2	65.6	65.8	66.0
≥ 6000	64.4	66.0	67.4	67.4	68.8	68.8	69.8	69.8	69.8	70.0	71.0	71.0	71.4	71.6	71.8
≥ 5000	66.0	68.6	70.2	70.6	71.8	71.8	72.8	72.8	73.0	73.2	74.8	74.8	75.6	75.8	76.0
≥ 4500	66.0	68.6	70.2	70.6	71.8	71.8	72.8	73.0	73.2	74.8	74.8	75.6	76.8	77.8	78.0
≥ 4000	67.2	70.2	72.2	72.8	74.2	74.2	75.2	75.4	75.6	77.2	77.4	78.6	79.8	80.0	80.2
≥ 3500	68.0	71.2	73.4	74.0	75.4	75.4	76.4	76.6	76.8	78.4	78.6	79.0	80.4	80.6	80.8
≥ 3000	70.2	73.6	77.0	77.6	79.0	79.0	80.6	80.8	81.0	82.6	82.8	83.4	84.2	84.4	84.6
≥ 2500	71.0	74.6	78.0	78.6	80.2	80.2	82.0	82.2	82.4	84.4	84.4	85.0	85.8	86.0	86.2
≥ 2000	72.4	76.2	80.2	80.8	83.0	83.0	85.0	85.2	85.4	87.6	88.0	88.6	89.4	89.6	89.8
≥ 1800	72.4	76.2	80.2	80.8	83.0	83.0	85.0	85.2	85.4	87.6	88.0	88.6	89.4	89.6	89.8
≥ 1500	73.4	77.4	81.4	82.0	84.4	84.4	86.8	87.0	87.2	90.0	90.4	91.0	92.0	92.2	92.4
≥ 1200	73.4	77.4	81.4	82.0	84.4	84.4	86.8	87.0	87.2	90.0	90.4	91.0	92.0	92.2	92.4
≥ 1000	73.4	77.4	81.6	82.2	84.8	84.8	87.4	87.8	88.0	91.2	91.8	92.4	93.8	94.0	94.2
≥ 900	73.4	77.4	81.6	82.2	84.8	84.8	87.4	88.0	88.2	91.4	92.0	92.6	94.2	94.4	94.6
≥ 800	73.4	77.4	81.6	82.2	84.8	84.8	87.4	88.0	88.2	91.6	92.6	93.4	95.4	95.6	96.0
≥ 700	73.4	77.4	81.6	82.2	84.8	84.8	87.4	88.0	88.2	91.6	92.8	93.6	96.6	96.8	97.2
≥ 600	73.4	77.4	81.6	82.2	84.8	84.8	87.4	88.0	88.2	91.6	92.8	93.6	96.8	97.0	97.8
≥ 500	73.4	77.4	81.6	82.2	84.8	84.8	87.4	88.0	88.2	91.6	93.0	93.8	97.6	97.8	98.2
≥ 400	73.4	77.4	81.6	82.2	84.8	84.8	87.4	88.0	88.2	91.8	93.2	94.0	98.0	98.4	98.8
≥ 300	73.4	77.4	81.6	82.2	84.8	84.8	87.4	88.0	88.2	91.8	93.2	94.0	98.0	98.4	98.8
≥ 200	73.4	77.4	81.6	82.2	84.8	84.8	87.4	88.0	88.2	91.8	93.2	94.0	98.0	98.4	98.8
≥ 100	73.4	77.4	81.6	82.2	84.8	84.8	87.4	88.0	88.2	91.8	93.2	94.0	98.0	98.4	98.8
≥ 0	73.4	77.4	81.6	82.2	84.8	84.8	87.4	88.0	88.2	91.8	93.2	94.0	98.0	98.4	98.8

TOTAL NUMBER OF OBSERVATIONS 500

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

0000

87601

MC MURDO STATION, ANTARCTICA

73-76

JUN

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 0
NO CEILING	45.4	47.9	48.7	48.7	48.7	48.7	48.7	48.7	48.7	49.6	49.6	49.6
≥ 20000	46.2	48.7	49.6	49.6	49.6	49.6	49.6	49.6	49.6	50.4	50.4	50.4
≥ 18000	47.9	50.4	51.3	51.3	51.3	51.3	51.3	51.3	51.3	52.1	52.1	52.1
≥ 16000	47.9	50.4	51.3	51.3	51.3	51.3	51.3	51.3	51.3	52.1	52.1	52.1
≥ 14000	48.7	52.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.8	53.8	53.8
≥ 12000	48.7	52.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.8	53.8	53.8
≥ 10000	48.7	52.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.8	53.8	53.8
≥ 9000	50.4	53.8	54.6	54.6	54.6	54.6	54.6	54.6	54.6	55.5	55.5	55.5
≥ 8000	58.8	63.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	67.2	67.2	67.2
≥ 7000	62.2	67.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	70.6	70.6	70.6
≥ 6000	63.9	70.6	72.3	72.3	73.1	73.1	73.1	73.1	73.1	75.6	75.6	75.6
≥ 5000	65.6	72.3	74.8	74.8	77.3	77.3	77.3	77.3	77.3	82.4	82.4	82.4
≥ 4500	65.6	72.3	74.8	74.8	77.3	77.3	77.3	77.3	77.3	82.4	82.4	82.4
≥ 4000	65.6	74.8	77.3	77.3	80.7	80.7	80.7	80.7	80.7	86.6	86.6	86.6
≥ 3500	65.6	74.8	77.3	77.3	80.7	80.7	80.7	80.7	80.7	86.6	86.6	86.6
≥ 3000	65.6	74.8	77.3	77.3	80.7	80.7	80.7	80.7	80.7	86.6	86.6	86.6
≥ 2500	65.6	74.8	77.3	77.3	80.7	80.7	80.7	80.7	80.7	86.6	86.6	86.6
≥ 2000	65.6	74.8	77.3	77.3	80.7	80.7	80.7	80.7	80.7	86.6	86.6	86.6
≥ 1800	65.6	74.8	77.3	77.3	80.7	80.7	80.7	80.7	80.7	86.6	86.6	86.6
≥ 1500	66.4	75.6	78.2	78.2	81.5	81.5	81.5	81.5	81.5	87.4	87.4	87.4
≥ 1200	66.4	75.6	78.2	78.2	81.5	81.5	81.5	81.5	81.5	87.4	87.4	87.4
≥ 1000	66.4	76.5	79.0	79.0	82.4	82.4	82.4	82.4	82.4	89.1	89.1	89.1
≥ 900	66.4	76.5	79.0	79.0	82.4	82.4	82.4	82.4	82.4	89.1	89.1	89.1
≥ 800	66.4	76.5	79.0	79.0	82.4	82.4	82.4	82.4	82.4	89.1	89.1	89.1
≥ 700	66.4	76.5	79.0	79.0	82.4	82.4	82.4	82.4	82.4	89.1	89.1	89.1
≥ 600	66.4	76.5	79.0	79.0	82.4	82.4	82.4	82.4	82.4	89.1	89.1	89.1
≥ 500	66.4	76.5	79.0	79.0	82.4	82.4	82.4	82.4	82.4	89.1	89.1	89.1
≥ 400	66.4	76.5	79.0	79.0	82.4	82.4	82.4	82.4	82.4	89.1	89.1	89.1
≥ 300	66.4	76.5	79.0	79.0	82.4	82.4	82.4	82.4	82.4	89.1	89.1	89.1
≥ 200	66.4	76.5	79.0	79.0	82.4	82.4	82.4	82.4	82.4	89.1	89.1	89.1
≥ 100	66.4	76.5	79.0	79.0	82.4	82.4	82.4	82.4	82.4	89.1	89.1	89.1
≥ 0	66.4	76.5	79.0	79.0	82.4	82.4	82.4	82.4	82.4	89.1	89.1	89.1

TOTAL NUMBER OF OBSERVATIONS

119

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
AI 20000												
AI 18000												
AI 16000												
AI 14000												
AI 12000												
AI 10000												
AI 9000												
AI 8000												
AI 7000												
AI 6000												
AI 5000												
AI 4500												
AI 4000												
AI 3500												
AI 3000												
AI 2500												
AI 2000												
AI 1800												
AI 1500												
AI 1200												
AI 1000												
AI 900												
AI 800												
AI 700												
AI 600												
AI 500												
AI 400												
AI 300												
AI 200												
AI 100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	47.1	50.4	50.4	51.3	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000	47.1	50.4	50.4	51.3	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
AI 18000	47.1	50.4	51.3	52.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
AI 16000	47.9	51.3	52.1	52.9	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
AI 14000	49.6	53.8	54.6	55.5	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
AI 12000	49.6	54.6	55.5	56.3	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
AI 10000	50.4	57.1	58.8	59.7	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
AI 9000	51.3	58.0	59.7	60.5	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
AI 8000	57.1	65.6	67.2	68.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
AI 7000	58.0	67.2	68.9	69.8	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
AI 6000	58.0	67.2	68.9	69.8	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
AI 5000	61.3	72.3	74.8	75.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
AI 4500	61.3	72.3	74.8	75.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
AI 4000	62.2	74.0	76.5	77.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
AI 3500	62.2	74.0	76.5	77.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
AI 3000	63.0	75.6	79.0	79.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 2500	63.0	75.6	79.0	79.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 2000	63.0	75.6	79.0	79.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 1800	63.0	75.6	79.0	79.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 1500	63.0	75.6	79.0	79.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 1200	63.0	75.6	79.0	79.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 1000	63.0	77.3	80.7	81.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
AI 900	63.0	77.3	80.7	81.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
AI 800	63.0	77.3	80.7	81.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
AI 700	63.0	77.3	80.7	81.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
AI 600	63.0	77.3	80.7	81.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
AI 500	63.0	77.3	80.7	81.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
AI 400	63.0	77.3	80.7	81.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
AI 300	63.0	77.3	80.7	81.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
AI 200	63.0	77.3	80.7	81.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
AI 100	63.0	77.3	80.7	81.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
AI 0	63.0	77.3	80.7	81.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7

TOTAL NUMBER OF OBSERVATIONS

119

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

YEAR

JUN
MONTH

09
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601

MC MURDO STATION, ANTARCTICA

73-76

JUN

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	46.7	51.7	53.3	53.3	54.2	54.2	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	46.7	51.7	53.3	53.3	54.2	54.2	55.8	55.8	55.8	55.8	55.8	55.8
≥ 18000	46.7	51.7	53.3	53.3	54.2	54.2	55.8	55.8	55.8	55.8	55.8	55.8
≥ 16000	47.5	52.5	54.2	54.2	55.0	55.0	56.7	56.7	56.7	56.7	56.7	56.7
≥ 14000	50.8	56.7	58.3	58.3	59.2	59.2	60.8	60.8	60.8	60.8	60.8	60.8
≥ 12000	52.5	58.3	60.0	60.0	60.8	60.8	62.5	62.5	62.5	62.5	62.5	62.5
≥ 10000	53.3	60.0	61.7	61.7	62.5	62.5	64.2	64.2	64.2	64.2	64.2	64.2
≥ 9000	54.2	60.8	62.5	62.5	63.3	63.3	65.0	65.0	65.0	65.0	65.0	65.0
≥ 8000	61.7	70.0	72.5	72.5	73.3	73.3	75.0	75.0	75.0	75.0	75.0	75.0
≥ 7000	61.7	71.7	74.2	74.2	75.0	75.0	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000	62.5	73.3	75.8	75.8	76.7	76.7	78.3	78.3	78.3	78.3	78.3	78.3
≥ 5000	64.2	75.8	78.3	78.3	79.2	79.2	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4500	64.2	77.5	80.0	80.0	81.7	81.7	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4000	64.2	77.5	80.0	80.0	81.7	81.7	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500	64.2	77.5	80.0	80.0	81.7	81.7	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3000	65.0	79.2	82.5	82.5	84.2	84.2	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	65.0	79.2	82.5	82.5	84.2	84.2	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1800	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1500	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1200	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1000	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5
≥ 900	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5
≥ 800	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5
≥ 700	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5
≥ 600	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5
≥ 500	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5
≥ 400	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5
≥ 300	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5
≥ 200	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5
≥ 100	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5
≥ 0	65.0	79.2	82.5	82.5	85.0	85.0	87.5	87.5	87.5	87.5	87.5	87.5

TOTAL NUMBER OF OBSERVATIONS

120

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

0000

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	44.1	49.2	49.2	50.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	44.1	49.2	49.2	50.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 16000	44.1	49.2	49.2	50.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 14000	45.8	50.9	51.7	52.5	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 12000	46.6	52.5	53.4	54.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000	49.2	55.1	55.9	56.8	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 9000	49.2	55.1	55.9	56.8	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 8000	57.6	64.4	65.3	67.0	70.3	70.3	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 7000	60.2	67.0	67.8	69.5	73.7	73.7	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 6000	61.0	68.6	69.5	71.2	75.4	75.4	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 5000	62.7	72.0	73.7	75.4	80.5	80.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4500	62.7	72.0	73.7	75.4	80.5	80.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000	62.7	73.7	75.4	77.1	83.9	83.9	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3500	62.7	73.7	75.4	77.1	83.9	83.9	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3000	62.7	73.7	75.4	77.1	83.9	83.9	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2500	62.7	73.7	75.4	77.1	84.8	84.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2000	62.7	73.7	75.4	77.1	84.8	84.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1800	62.7	73.7	75.4	77.1	84.8	84.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1500	62.7	73.7	75.4	77.1	84.8	84.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1200	62.7	73.7	75.4	77.1	84.8	84.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1000	63.6	74.6	76.3	78.0	85.6	85.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 900	63.6	74.6	76.3	78.0	85.6	85.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 800	64.4	75.4	77.1	78.8	86.4	86.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 700	64.4	75.4	77.1	78.8	86.4	86.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 600	64.4	75.4	77.1	78.8	86.4	86.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 500	64.4	75.4	77.1	78.8	86.4	86.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 400	64.4	75.4	77.1	78.8	86.4	86.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 300	64.4	75.4	77.1	78.8	86.4	86.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 200	64.4	75.4	77.1	78.8	86.4	86.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 100	64.4	75.4	77.1	78.8	86.4	86.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 0	64.4	75.4	77.1	78.8	86.4	86.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1

TOTAL NUMBER OF OBSERVATIONS 118

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 0
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.8	49.8	50.4	50.8	51.9	51.9	52.3	52.3	52.3	52.5	52.5	52.7	52.9	52.9	52.9
≥ 20000	46.0	50.0	50.6	51.1	52.1	52.1	52.5	52.5	52.5	52.7	52.7	52.7	52.9	53.2	53.2
≥ 18000	46.4	50.4	51.3	51.7	52.7	52.7	53.2	53.2	53.2	53.4	53.4	53.6	53.8	53.8	53.8
≥ 16000	47.3	51.3	52.3	52.7	53.8	53.8	54.2	54.2	54.2	54.4	54.4	54.4	54.8	55.0	55.0
≥ 14000	49.0	53.8	54.8	55.3	56.3	56.3	56.7	56.7	56.7	56.9	56.9	57.4	57.6	57.6	57.6
≥ 12000	50.0	55.0	56.1	56.5	57.6	57.6	58.0	58.0	58.0	58.2	58.2	58.6	58.8	58.8	58.8
≥ 10000	50.4	56.1	57.4	57.8	58.8	58.8	59.2	59.2	59.2	59.5	59.5	59.9	60.1	60.1	60.1
≥ 9000	51.3	56.9	58.2	58.6	59.7	59.7	60.1	60.1	60.1	60.3	60.3	60.7	60.9	60.9	60.9
≥ 8000	58.8	66.0	67.7	68.3	69.8	69.8	70.6	70.6	70.6	70.8	70.8	71.2	71.4	71.4	71.4
≥ 7000	60.5	68.3	70.0	70.6	72.3	72.3	73.1	73.1	73.1	73.7	73.7	74.2	74.4	74.4	74.4
≥ 6000	61.3	70.0	71.6	72.3	74.2	74.2	75.2	75.2	75.2	75.8	75.8	76.3	76.5	76.5	76.5
≥ 5000	63.5	73.1	75.4	76.1	78.6	78.6	79.6	79.6	79.6	81.7	81.7	82.1	82.4	82.4	82.4
≥ 4500	63.5	73.1	75.4	76.1	78.6	78.6	79.6	79.6	79.6	81.7	81.7	82.1	82.4	82.4	82.4
≥ 4000	63.7	75.0	77.3	77.9	81.5	81.5	83.4	83.4	83.4	85.7	85.7	86.1	86.3	86.3	86.3
≥ 3500	63.7	75.0	77.3	77.9	81.5	81.5	83.4	83.4	83.4	85.7	85.7	86.1	86.3	86.3	86.3
≥ 3000	64.1	75.8	78.6	79.2	83.0	83.0	84.9	84.9	84.9	87.2	87.2	87.6	87.8	87.8	87.8
≥ 2500	64.1	75.8	78.6	79.2	83.2	83.2	85.1	85.1	85.1	87.4	87.4	87.8	88.0	88.0	88.0
≥ 2000	64.1	75.8	78.6	79.2	83.4	83.4	85.3	85.3	85.3	87.8	88.0	88.2	88.7	89.3	89.3
≥ 1800	64.1	75.8	78.6	79.2	83.4	83.4	85.3	85.3	85.3	87.8	88.0	88.2	88.7	89.3	89.3
≥ 1500	64.3	76.1	78.8	79.4	83.6	83.6	85.5	85.5	85.5	88.0	88.2	88.5	88.9	89.7	89.7
≥ 1200	64.3	76.1	78.8	79.4	83.6	83.6	85.5	85.5	85.5	88.0	88.2	88.5	88.9	89.7	89.7
≥ 1000	64.5	76.9	79.6	80.3	84.7	84.7	86.8	86.8	86.8	89.7	90.3	90.6	92.4	93.3	93.3
≥ 900	64.5	76.9	79.6	80.3	84.7	84.7	86.8	86.8	86.8	90.1	90.8	91.0	92.9	93.7	93.7
≥ 800	64.7	77.1	79.8	80.5	84.9	84.9	87.0	87.0	87.0	90.8	91.6	91.8	94.3	95.2	95.2
≥ 700	64.7	77.1	79.8	80.5	84.9	84.9	87.0	87.0	87.0	91.0	92.0	92.2	95.0	96.0	96.0
≥ 600	64.7	77.1	79.8	80.5	84.9	84.9	87.0	87.0	87.0	91.0	92.0	92.2	95.2	96.0	96.0
≥ 500	64.7	77.1	79.8	80.5	84.9	84.9	87.0	87.0	87.0	91.2	92.2	92.4	95.4	96.9	96.9
≥ 400	64.7	77.1	79.8	80.5	84.9	84.9	87.0	87.0	87.0	91.2	92.2	92.4	95.4	96.9	96.9
≥ 300	64.7	77.1	79.8	80.5	84.9	84.9	87.0	87.0	87.0	91.2	92.2	92.4	95.4	96.9	96.9
≥ 200	64.7	77.1	79.8	80.5	84.9	84.9	87.0	87.0	87.0	91.2	92.4	92.7	95.6	97.1	98.1
≥ 100	64.7	77.1	79.8	80.5	84.9	84.9	87.0	87.0	87.0	91.2	92.4	92.7	95.8	97.3	98.3
≥ 0	64.7	77.1	79.8	80.5	84.9	84.9	87.0	87.0	87.0	91.2	92.4	92.7	95.8	97.3	98.3

TOTAL NUMBER OF OBSERVATIONS

476

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	52.4	58.1	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 20000	52.4	58.1	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 18000	52.4	58.1	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 16000	53.2	58.9	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 14000	54.8	60.5	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	54.8	60.5	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	54.8	62.1	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 9000	54.8	62.9	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 8000	58.9	68.6	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 7000	61.3	71.8	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 6000	62.1	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 5000	62.9	75.8	78.2	78.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4500	62.9	75.8	78.2	78.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000	63.7	76.6	79.8	79.8	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 3500	63.7	76.6	79.8	79.8	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 3000	65.3	78.2	81.5	81.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2500	65.3	78.2	81.5	81.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000	65.3	78.2	82.3	82.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	65.3	78.2	82.3	82.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	66.1	79.0	83.1	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1200	66.1	79.0	83.1	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1000	66.9	79.8	84.7	84.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	66.9	79.8	84.7	84.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	66.9	79.8	84.7	84.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 700	66.9	79.8	84.7	84.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	66.9	79.8	84.7	84.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 500	66.9	79.8	84.7	84.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 400	66.9	79.8	84.7	84.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 300	66.9	79.8	84.7	84.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 200	66.9	79.8	84.7	84.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 100	66.9	79.8	84.7	84.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
0	66.9	79.8	84.7	84.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	≥ 0
NO CEILING	45.2	51.6	52.4	52.4	52.4	52.4	53.2	53.2	53.2	53.2	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	45.2	51.6	52.4	52.4	52.4	52.4	53.2	53.2	53.2	53.2	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000	45.2	51.6	52.4	52.4	52.4	52.4	53.2	53.2	53.2	53.2	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000	46.8	53.2	54.0	54.0	54.0	54.0	54.8	54.8	54.8	54.8	55.7	55.7	55.7	55.7	55.7	55.7
≥ 14000	46.4	54.8	55.7	55.7	55.7	55.7	56.5	56.5	56.5	57.3	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000	49.2	57.3	58.1	58.1	58.9	58.9	59.7	59.7	59.7	60.5	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	49.2	58.1	58.9	58.9	59.7	59.7	60.5	60.5	60.5	61.3	62.1	62.1	62.1	62.1	62.1	62.1
≥ 9000	49.2	58.9	59.7	59.7	60.5	60.5	61.3	61.3	61.3	62.1	62.9	62.9	62.9	62.9	62.9	62.9
≥ 8000	52.4	65.3	66.9	66.9	67.7	67.7	68.6	68.6	68.6	69.4	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000	56.5	70.2	71.8	71.8	72.6	72.6	74.2	74.2	74.2	75.0	75.8	75.8	75.8	75.8	75.8	75.8
≥ 6000	57.3	71.0	72.6	72.6	73.4	73.4	75.0	75.0	75.0	75.8	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	58.1	73.4	75.0	75.0	77.4	77.4	79.8	79.8	79.8	82.3	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4500	58.1	73.4	75.0	75.0	77.4	77.4	79.8	79.8	79.8	82.3	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4000	58.9	74.2	75.8	75.8	78.2	78.2	80.7	80.7	80.7	83.1	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500	58.9	74.2	75.8	75.8	78.2	78.2	80.7	80.7	80.7	83.1	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	59.7	75.0	77.4	77.4	79.8	79.8	82.3	82.3	82.3	85.5	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500	59.7	75.0	77.4	77.4	79.8	79.8	82.3	82.3	82.3	85.5	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	59.7	75.0	77.4	77.4	79.8	79.8	82.3	82.3	82.3	85.5	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1800	59.7	75.0	77.4	77.4	80.7	80.7	83.1	83.1	83.1	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	59.7	75.0	77.4	77.4	80.7	80.7	83.1	83.1	83.1	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	59.7	75.0	77.4	77.4	80.7	80.7	83.1	83.1	83.1	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	59.7	75.8	78.2	78.2	82.3	82.3	84.7	84.7	85.5	90.3	91.1	91.1	91.1	91.1	91.1	91.1
≥ 900	59.7	75.8	78.2	78.2	82.3	82.3	84.7	84.7	85.5	90.3	91.1	91.1	91.1	91.1	91.1	91.1
≥ 800	59.7	75.8	78.2	78.2	82.3	82.3	84.7	84.7	85.5	90.3	91.1	91.1	91.1	91.1	91.1	91.1
≥ 700	59.7	75.8	78.2	78.2	82.3	82.3	84.7	84.7	85.5	90.3	91.1	91.1	91.1	91.1	91.1	91.1
≥ 600	59.7	75.8	78.2	78.2	82.3	82.3	84.7	84.7	85.5	90.3	91.1	91.1	91.1	91.1	91.1	91.1
≥ 500	59.7	75.8	78.2	78.2	82.3	82.3	84.7	84.7	85.5	90.3	91.1	91.1	91.1	91.1	91.1	91.1
≥ 400	59.7	75.8	79.0	79.0	83.1	83.1	85.5	85.5	86.3	91.1	91.9	91.9	91.9	91.9	91.9	91.9
≥ 300	59.7	75.8	79.0	79.0	83.1	83.1	85.5	85.5	86.3	91.1	91.9	91.9	91.9	91.9	91.9	91.9
≥ 200	59.7	75.8	79.0	79.0	83.1	83.1	85.5	85.5	86.3	91.1	91.9	91.9	91.9	91.9	91.9	91.9
≥ 100	59.7	75.8	79.0	79.0	83.1	83.1	85.5	85.5	86.3	91.1	91.9	91.9	91.9	91.9	91.9	91.9
0	59.7	75.8	79.0	79.0	83.1	83.1	85.5	85.5	86.3	91.1	91.9	91.9	91.9	91.9	91.9	91.9

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601

MC MURDO STATION, ANTARCTICA

STATION

STATION NAME

YEARS

JUL

MONTH

09

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
≥ 18000												
≥ 16000												
≥ 14000												
≥ 12000												
≥ 10000												
≥ 9000												
≥ 8000												
≥ 7000												
≥ 6000												
≥ 5000												
≥ 4500												
≥ 4000												
≥ 3500												
≥ 3000												
≥ 2500												
≥ 2000												
≥ 1800												
≥ 1500												
≥ 1200												
≥ 1000												
≥ 900												
≥ 800												
≥ 700												
≥ 600												
≥ 500												
≥ 400												
≥ 300												
≥ 200												
≥ 100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	48.4	52.4	53.2	53.2	54.8	54.8	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000	49.2	53.2	54.0	54.0	55.7	55.7	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000	50.0	54.0	54.8	54.8	56.5	56.5	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	53.2	57.3	58.1	58.1	59.7	59.7	60.5	60.5	60.5	60.5	60.5	60.5
≥ 14000	55.7	59.7	60.5	60.5	62.1	62.1	62.9	62.9	62.9	62.9	62.9	62.9
≥ 12000	56.5	60.5	62.1	62.1	63.7	63.7	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	56.5	61.3	62.9	62.9	64.5	64.5	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	57.3	62.1	63.7	63.7	65.3	65.3	66.1	66.1	66.1	66.1	66.1	66.1
≥ 8000	60.5	66.1	67.7	67.7	69.4	69.4	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000	65.3	71.0	72.6	73.4	75.0	75.0	75.8	75.8	75.8	75.8	75.8	75.8
≥ 6000	66.1	74.2	76.6	77.4	79.0	79.0	79.8	79.8	79.8	79.8	79.8	79.8
≥ 5000	66.9	77.4	79.8	80.7	83.1	83.1	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	66.9	77.4	79.8	80.7	83.1	83.1	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	67.7	78.2	80.7	81.5	83.9	83.9	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	67.7	78.2	81.5	82.3	84.7	84.7	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3000	67.7	78.2	83.1	83.9	87.1	87.1	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500	67.7	78.2	83.1	83.9	87.1	87.1	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2000	69.4	79.8	84.7	85.5	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1800	69.4	79.8	84.7	85.5	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1500	69.4	79.8	84.7	86.3	90.3	90.3	91.9	92.7	92.7	92.7	92.7	92.7
≥ 1200	69.4	79.8	84.7	86.3	90.3	90.3	91.9	92.7	92.7	92.7	92.7	92.7
≥ 1000	69.4	80.7	85.5	87.1	91.1	91.1	92.7	93.6	93.6	95.2	95.2	96.0
≥ 900	69.4	80.7	85.5	87.1	91.1	91.1	92.7	93.6	93.6	95.2	95.2	96.0
≥ 800	69.4	80.7	85.5	87.1	91.1	91.1	92.7	93.6	93.6	95.2	95.2	96.0
≥ 700	69.4	80.7	85.5	87.1	91.1	91.1	92.7	93.6	93.6	95.2	95.2	96.0
≥ 600	69.4	80.7	85.5	87.1	91.1	91.1	92.7	93.6	93.6	95.2	95.2	96.0
≥ 500	69.4	80.7	85.5	87.1	91.1	91.1	92.7	93.6	93.6	95.2	95.2	96.0
≥ 400	69.4	80.7	85.5	87.1	91.1	91.1	92.7	93.6	93.6	95.2	95.2	96.0
≥ 300	69.4	80.7	85.5	87.1	91.1	91.1	92.7	93.6	93.6	95.2	95.2	96.0
≥ 200	69.4	80.7	85.5	87.1	91.1	91.1	92.7	93.6	93.6	95.2	95.2	96.0
≥ 100	69.4	80.7	85.5	87.1	91.1	91.1	92.7	93.6	93.6	95.2	95.2	96.0
≥ 0	69.4	80.7	85.5	87.1	91.1	91.1	92.7	93.6	93.6	95.2	95.2	96.0

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601

MC MURDO STATION, ANTARCTICA

STATION

STATION NAME

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15

HOURS (L.S.T.)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	53.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000	54.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	55.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.7	59.7	59.7	59.7	59.7	59.7
≥ 14000	56.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.5	60.5	60.5	60.5	60.5	60.5
≥ 12000	56.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.5	60.5	60.5	60.5	60.5	60.5
≥ 10000	56.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	56.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	60.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	62.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	70.2	70.2	70.2	70.2	70.2	70.2
≥ 6000	64.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	73.4	73.4	73.4	73.4	73.4	73.4
≥ 5000	66.9	77.4	78.2	78.2	79.0	79.0	80.7	80.7	80.7	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4500	66.9	78.2	79.0	79.0	79.8	79.8	81.5	81.5	81.5	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4000	67.7	79.0	79.8	79.8	80.7	80.7	82.3	82.3	82.3	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	69.4	80.7	81.5	81.5	82.3	82.3	83.9	83.9	83.9	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	69.4	81.5	83.1	83.1	83.9	83.9	85.5	85.5	85.5	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500	70.2	82.3	83.9	83.9	84.7	84.7	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	71.8	83.9	85.5	85.5	86.3	86.3	87.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	71.8	83.9	85.5	85.5	86.3	86.3	87.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	71.8	83.9	85.5	85.5	86.3	86.3	87.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	71.8	83.9	85.5	85.5	86.3	86.3	87.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	71.8	84.7	86.3	86.3	87.1	87.1	89.5	89.5	89.5	90.3	91.1	91.1	91.1	91.1	91.1
≥ 900	71.8	84.7	86.3	86.3	87.1	87.1	89.5	89.5	89.5	90.3	91.1	91.1	91.1	91.1	91.1
≥ 800	71.8	84.7	86.3	86.3	87.1	87.1	89.5	89.5	89.5	90.3	91.1	91.1	91.1	91.1	91.1
≥ 700	71.8	84.7	86.3	86.3	87.1	87.1	89.5	89.5	89.5	90.3	91.1	91.1	91.1	91.1	91.1
≥ 600	71.8	84.7	86.3	86.3	87.1	87.1	89.5	89.5	89.5	90.3	91.1	91.1	91.1	91.1	91.1
≥ 500	71.8	84.7	86.3	86.3	87.1	87.1	89.5	89.5	89.5	90.3	91.1	91.1	91.1	91.1	91.1
≥ 400	71.8	84.7	86.3	86.3	87.1	87.1	89.5	89.5	89.5	90.3	91.1	91.1	91.1	91.1	91.1
≥ 300	71.8	84.7	86.3	86.3	87.1	87.1	89.5	89.5	89.5	90.3	91.1	91.1	91.1	91.1	91.1
≥ 200	71.8	84.7	86.3	86.3	87.1	87.1	89.5	89.5	89.5	90.3	91.1	91.1	91.1	91.1	91.1
≥ 100	71.8	84.7	86.3	86.3	87.1	87.1	89.5	89.5	89.5	90.3	91.1	91.1	91.1	91.1	91.1
0	71.8	84.7	86.3	86.3	87.1	87.1	89.5	89.5	89.5	90.3	91.1	91.1	91.1	91.1	91.1

124

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

YEARS

JUL
MONTH

21
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

87601

STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

JUL

MONTH

ALL

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	49.8	54.6	55.2	55.2	55.7	55.7	56.1	56.1	56.1	56.3	56.5	56.5	56.5
≥ 20000	50.0	54.8	55.4	55.4	55.9	55.9	56.3	56.3	56.3	56.5	56.7	56.7	56.7
≥ 18000	50.4	55.2	55.9	55.9	56.3	56.3	56.7	56.7	56.7	56.9	57.1	57.1	57.1
≥ 16000	52.2	57.1	57.7	57.7	58.1	58.1	58.5	58.5	58.5	58.7	58.9	58.9	58.9
≥ 14000	53.8	58.7	59.3	59.3	59.7	59.7	60.1	60.1	60.1	60.5	60.7	60.7	60.7
≥ 12000	54.2	59.5	60.3	60.3	60.9	60.9	61.3	61.3	61.3	61.7	61.9	61.9	61.9
≥ 10000	54.2	60.5	61.3	61.3	61.9	61.9	62.3	62.3	62.3	62.7	62.9	62.9	62.9
≥ 9000	54.4	61.1	61.9	61.9	62.5	62.5	62.9	62.9	62.9	63.3	63.5	63.5	63.5
≥ 8000	58.1	66.7	67.7	67.7	68.4	68.4	69.0	69.0	69.0	69.4	69.6	69.6	69.6
≥ 7000	61.3	70.6	71.6	71.8	72.4	72.4	73.2	73.2	73.2	73.6	73.8	73.8	73.8
≥ 6000	62.5	73.0	74.2	74.4	75.0	75.0	75.8	75.8	75.8	76.2	76.4	76.4	76.4
≥ 5000	63.7	76.0	77.6	78.0	79.6	79.6	81.1	81.1	81.1	81.9	82.1	82.1	82.1
≥ 4500	63.7	76.2	78.0	78.2	79.8	79.8	81.3	81.3	81.3	82.1	82.3	82.3	82.3
≥ 4000	64.5	77.0	79.0	79.2	81.1	81.1	82.5	82.5	82.5	83.3	83.5	83.5	83.5
≥ 3500	64.9	77.4	79.6	79.8	81.7	81.7	83.1	83.1	83.1	83.9	84.1	84.1	84.1
≥ 3000	65.5	78.2	81.3	81.5	83.7	83.7	85.1	85.1	85.1	86.1	86.3	86.3	86.3
≥ 2500	65.7	78.4	81.5	81.7	83.9	83.9	85.3	85.3	85.3	86.3	86.5	86.5	86.5
≥ 2000	66.5	79.2	82.5	82.7	84.9	84.9	86.3	86.3	86.3	87.3	87.5	87.5	87.5
≥ 1800	66.5	79.2	82.5	82.7	84.9	84.9	86.3	86.3	86.3	87.3	87.5	87.5	87.5
≥ 1500	66.7	79.4	82.7	83.1	85.7	85.7	87.3	87.3	87.3	88.5	88.7	88.7	88.7
≥ 1200	66.7	79.4	82.7	83.1	85.7	85.7	87.3	87.3	87.3	88.5	88.7	88.7	88.7
≥ 1000	66.9	80.2	83.7	84.1	86.9	86.9	88.7	88.7	88.7	89.3	89.3	89.3	89.3
≥ 900	66.9	80.2	83.7	84.1	86.9	86.9	88.7	88.7	88.7	89.3	89.3	89.3	89.3
≥ 800	66.9	80.2	83.7	84.1	86.9	86.9	88.7	88.7	88.7	89.3	89.3	89.3	89.3
≥ 700	66.9	80.2	83.7	84.1	86.9	86.9	88.7	88.7	88.7	89.3	89.3	89.3	89.3
≥ 600	66.9	80.2	83.7	84.1	86.9	86.9	88.7	88.7	88.7	89.3	89.3	89.3	89.3
≥ 500	66.9	80.2	83.7	84.1	86.9	86.9	88.7	88.7	88.7	89.3	89.3	89.3	89.3
≥ 400	66.9	80.2	83.7	84.1	86.9	86.9	88.7	88.7	88.7	89.3	89.3	89.3	89.3
≥ 300	66.9	80.2	83.7	84.1	86.9	86.9	88.7	88.7	88.7	89.3	89.3	89.3	89.3
≥ 200	66.9	80.2	83.7	84.1	86.9	86.9	88.7	88.7	88.7	89.3	89.3	89.3	89.3
≥ 100	66.9	80.2	83.7	84.1	86.9	86.9	88.7	88.7	88.7	89.3	89.3	89.3	89.3
0	66.9	80.2	83.7	84.1	86.9	86.9	88.7	88.7	88.7	89.3	89.3	89.3	89.3

TOTAL NUMBER OF OBSERVATIONS

496

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING	51.6	53.2	54.0	54.0	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	53.2	54.8	55.7	55.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000	53.2	54.8	55.7	55.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 16000	54.8	56.5	57.3	57.3	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	54.8	56.5	57.3	57.3	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000	57.3	58.9	59.7	59.7	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 10000	58.1	59.7	60.5	60.5	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	60.5	62.9	63.7	63.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	65.3	68.6	69.4	69.4	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000	68.6	72.6	74.2	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 6000	71.0	75.8	77.4	78.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 5000	71.0	75.8	77.4	78.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4500	71.0	75.8	77.4	78.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000	71.8	76.6	78.2	79.0	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	71.8	76.6	78.2	79.0	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3000	73.4	78.2	79.8	80.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500	73.4	78.2	79.8	80.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	74.2	80.7	82.3	83.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	74.2	80.7	82.3	83.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	74.2	80.7	82.3	83.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1200	74.2	80.7	82.3	83.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1000	75.0	83.1	84.7	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	75.0	83.1	84.7	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	75.0	83.1	84.7	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 700	75.0	83.1	84.7	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	75.0	83.1	84.7	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 500	75.0	83.1	84.7	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 400	75.0	83.1	84.7	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 300	75.0	83.1	84.7	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 200	75.0	83.1	84.7	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 100	75.0	83.1	84.7	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
0	75.0	83.1	84.7	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1

TOTAL NUMBER OF OBSERVATIONS

124

DIRNAVOCANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-74, 76

YEAR

AUG
MONTH

03
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 20000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 18000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 16000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 14000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 12000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 10000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 9000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 8000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 7000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1200	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 900	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 800	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 700	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 600	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 400	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 300	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 200	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 100	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3

TOTAL NUMBER OF OBSERVATIONS

6

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	60.2	61.0	61.8	61.8	61.8	61.8	62.6	62.6	62.6	62.6	62.6	62.6	63.4	63.4
≥ 20000	61.0	61.8	62.6	62.6	62.6	62.6	63.4	63.4	63.4	63.4	63.4	63.4	64.2	64.2
≥ 18000	61.0	61.8	62.6	62.6	62.6	62.6	63.4	63.4	63.4	63.4	63.4	63.4	64.2	64.2
≥ 16000	63.4	64.2	65.0	65.0	65.0	65.0	65.9	65.9	65.9	65.9	65.9	65.9	66.7	66.7
≥ 14000	63.4	64.2	65.0	65.0	65.0	65.0	65.9	65.9	65.9	65.9	65.9	65.9	66.7	66.7
≥ 12000	65.0	66.7	67.5	67.5	67.5	67.5	68.3	68.3	68.3	68.3	68.3	68.3	69.1	69.1
≥ 10000	65.9	67.5	68.3	68.3	68.3	68.3	69.1	69.1	69.1	69.1	69.1	69.1	69.9	69.9
≥ 9000	65.9	67.5	68.3	68.3	68.3	68.3	69.1	69.1	69.1	69.1	69.1	69.1	69.9	69.9
≥ 8000	66.7	71.5	72.4	72.4	72.4	72.4	73.2	73.2	73.2	73.2	73.2	73.2	74.0	74.0
≥ 7000	69.1	74.8	75.6	75.6	75.6	75.6	76.4	76.4	76.4	76.4	76.4	76.4	78.9	78.9
≥ 6000	69.9	75.6	77.2	77.2	77.2	77.2	78.1	78.1	78.1	78.1	78.1	78.1	81.3	81.3
≥ 5000	69.9	76.4	78.1	78.1	78.1	78.1	78.9	78.9	78.9	78.9	78.9	78.9	82.1	82.1
≥ 4500	69.9	76.4	78.1	78.1	78.1	78.1	78.9	78.9	78.9	78.9	78.9	78.9	82.1	82.1
≥ 4000	69.9	76.4	78.1	78.1	78.1	78.1	78.9	78.9	78.9	78.9	78.9	78.9	82.1	82.1
≥ 3500	69.9	76.4	78.1	78.1	78.1	78.1	78.9	78.9	78.9	78.9	78.9	78.9	82.1	82.1
≥ 3000	69.9	76.4	78.1	78.1	78.1	78.1	78.9	78.9	78.9	78.9	78.9	78.9	82.1	82.1
≥ 2500	69.9	77.2	78.9	78.9	78.9	78.9	80.5	80.5	80.5	80.5	80.5	80.5	84.6	84.6
≥ 2000	72.4	79.7	82.9	82.9	82.9	82.9	84.6	84.6	84.6	84.6	84.6	84.6	89.4	89.4
≥ 1800	72.4	79.7	82.9	82.9	82.9	82.9	84.6	84.6	84.6	84.6	84.6	84.6	89.4	89.4
≥ 1500	72.4	79.7	82.9	82.9	82.9	82.9	84.6	84.6	84.6	84.6	84.6	84.6	89.4	89.4
≥ 1200	72.4	79.7	82.9	82.9	82.9	82.9	84.6	84.6	84.6	84.6	84.6	84.6	89.4	89.4
≥ 1000	73.2	80.5	83.7	83.7	83.7	83.7	87.0	87.0	87.0	87.0	87.0	87.0	91.1	91.1
≥ 900	73.2	80.5	83.7	83.7	83.7	83.7	87.0	87.0	87.0	87.0	87.0	87.0	91.1	91.1
≥ 800	73.2	80.5	83.7	83.7	83.7	83.7	87.0	87.0	87.0	87.0	87.0	87.0	91.1	91.1
≥ 700	73.2	80.5	83.7	83.7	83.7	83.7	87.0	87.0	87.0	87.0	87.0	87.0	91.1	91.1
≥ 600	73.2	80.5	83.7	83.7	83.7	83.7	87.0	87.0	87.0	87.0	87.0	87.0	91.1	91.1
≥ 500	73.2	80.5	83.7	83.7	83.7	83.7	87.0	87.0	87.0	87.0	87.0	87.0	91.1	91.1
≥ 400	73.2	80.5	83.7	83.7	83.7	83.7	87.0	87.0	87.0	87.0	87.0	87.0	91.1	91.1
≥ 300	73.2	80.5	83.7	83.7	83.7	83.7	87.0	87.0	87.0	87.0	87.0	87.0	91.1	91.1
≥ 200	73.2	80.5	83.7	83.7	83.7	83.7	87.0	87.0	87.0	87.0	87.0	87.0	91.1	91.1
≥ 100	73.2	80.5	83.7	83.7	83.7	83.7	87.0	87.0	87.0	87.0	87.0	87.0	91.1	91.1
0	73.2	80.5	83.7	83.7	83.7	83.7	87.0	87.0	87.0	87.0	87.0	87.0	91.1	91.1

TOTAL NUMBER OF OBSERVATIONS 123

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA

73-74, 76

STATION NAME

YEAR

AUG

MONTH

09

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
14000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
12000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
10000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
9000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
8000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
7000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
6000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
5000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
4500	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
4000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
3500	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
3000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
2500	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2000	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	90.0	90.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
87601STATION NAME
MC MURDO STATION, ANTARCTICA

73-76

YEARS

MONTH
AUGPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)HOURS (L.S.T.)
12

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.4	48.4	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	49.2	49.2	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 18000	49.2	49.2	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 16000	50.8	50.8	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
AI 14000	53.2	53.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
AI 12000	55.7	55.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
AI 10000	55.7	55.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
AI 9000	58.9	58.9	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
AI 8000	62.9	65.3	66.1	66.1	66.1	66.1	66.1	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
AI 7000	71.0	75.8	76.6	76.6	76.6	76.6	76.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
AI 6000	71.8	76.6	77.4	77.4	77.4	77.4	77.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
AI 5000	71.8	76.6	77.4	77.4	77.4	77.4	77.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
AI 4500	71.8	76.6	77.4	77.4	77.4	77.4	77.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
AI 4000	74.2	79.8	80.7	80.7	80.7	80.7	80.7	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
AI 3500	75.8	81.5	82.3	82.3	82.3	82.3	82.3	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
AI 3000	78.2	83.9	84.7	84.7	84.7	84.7	84.7	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
AI 2500	78.2	84.7	85.5	85.5	85.5	85.5	85.5	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
AI 2000	79.0	85.5	86.3	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
AI 1800	79.0	85.5	86.3	86.3	86.3	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
AI 1500	80.7	87.1	87.9	87.9	87.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
AI 1200	80.7	87.1	87.9	87.9	87.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
AI 1000	81.5	87.9	88.7	88.7	88.7	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
AI 900	81.5	87.9	88.7	88.7	88.7	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
AI 800	81.5	87.9	88.7	88.7	88.7	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
AI 700	81.5	87.9	88.7	88.7	88.7	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
AI 600	81.5	87.9	88.7	88.7	88.7	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
AI 500	81.5	87.9	88.7	88.7	88.7	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
AI 400	81.5	87.9	88.7	88.7	88.7	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
AI 300	81.5	87.9	88.7	88.7	88.7	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
AI 200	81.5	87.9	88.7	88.7	88.7	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
AI 100	81.5	87.9	88.7	88.7	88.7	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
AI 0	81.5	87.9	88.7	88.7	88.7	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDD STATION, ANTARCTICA
STATION NAME

73-74,76
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 18000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 16000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 14000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 12000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 10000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 9000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 8000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 7000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 6000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3500	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 2500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 2000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1200	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 900	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 800	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 700	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 600	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 400	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 300	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 200	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 100	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7

TOTAL NUMBER OF OBSERVATIONS

12

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	31.6	52.4	52.4	52.4	53.2	53.2	53.2	53.2	53.2	53.2	54.0	54.0	54.0
≥ 20000	54.0	54.8	54.8	54.8	55.7	55.7	55.7	55.7	55.7	55.7	56.5	56.5	56.5
≥ 18000	54.0	54.8	54.8	54.8	55.7	55.7	55.7	55.7	55.7	55.7	56.5	56.5	56.5
≥ 16000	54.0	54.8	54.8	54.8	55.7	55.7	55.7	55.7	55.7	55.7	56.5	56.5	56.5
≥ 14000	57.3	58.1	58.1	58.1	58.9	58.9	58.9	58.9	58.9	58.9	59.7	59.7	59.7
≥ 12000	59.7	60.5	60.5	60.5	61.3	61.3	61.3	61.3	61.3	61.3	62.1	62.1	62.1
≥ 10000	60.5	61.3	61.3	61.3	62.9	62.9	62.9	62.9	62.9	62.9	63.7	63.7	63.7
≥ 9000	65.3	66.9	66.9	66.9	68.6	68.6	68.6	68.6	68.6	68.6	69.4	69.4	69.4
≥ 8000	67.7	70.2	70.2	70.2	71.8	71.8	71.8	71.8	71.8	71.8	72.6	72.6	72.6
≥ 7000	69.4	73.4	74.2	74.2	75.8	75.8	75.8	75.8	75.8	75.8	78.2	78.2	78.2
≥ 6000	71.0	75.8	77.4	77.4	79.0	79.0	79.0	79.0	79.0	79.0	82.3	82.3	82.3
≥ 5000	72.6	77.4	79.0	79.0	80.7	80.7	80.7	80.7	80.7	80.7	83.9	83.9	83.9
≥ 4500	72.6	77.4	79.0	79.0	80.7	80.7	80.7	80.7	80.7	80.7	83.9	83.9	83.9
≥ 4000	72.6	77.4	79.0	79.0	80.7	80.7	80.7	80.7	80.7	80.7	83.9	83.9	83.9
≥ 3500	73.4	78.2	79.8	79.8	81.5	81.5	81.5	81.5	81.5	81.5	84.7	84.7	84.7
≥ 3000	75.0	79.8	81.5	81.5	83.1	83.1	83.1	83.1	83.1	83.1	86.3	86.3	86.3
≥ 2500	75.0	79.8	81.5	81.5	83.1	83.1	83.1	83.1	83.1	83.1	86.3	86.3	86.3
≥ 2000	75.8	80.7	82.3	82.3	83.9	83.9	83.9	83.9	83.9	83.9	89.5	89.5	89.5
≥ 1800	75.8	80.7	82.3	82.3	83.9	83.9	83.9	83.9	83.9	83.9	89.5	89.5	89.5
≥ 1500	75.8	80.7	82.3	82.3	83.9	83.9	83.9	83.9	83.9	83.9	89.5	89.5	89.5
≥ 1200	75.8	81.5	83.1	83.1	84.7	84.7	84.7	84.7	84.7	84.7	90.3	90.3	90.3
≥ 1000	76.6	82.3	83.9	83.9	86.3	86.3	86.3	86.3	86.3	86.3	94.4	94.4	94.4
≥ 900	76.6	82.3	83.9	83.9	86.3	86.3	86.3	86.3	86.3	86.3	94.4	94.4	94.4
≥ 800	76.6	82.3	83.9	83.9	86.3	86.3	86.3	86.3	86.3	86.3	94.4	94.4	94.4
≥ 700	76.6	82.3	83.9	83.9	86.3	86.3	86.3	86.3	86.3	86.3	97.6	97.6	97.6
≥ 600	76.6	82.3	83.9	83.9	86.3	86.3	86.3	86.3	86.3	86.3	98.4	98.4	98.4
≥ 500	76.6	82.3	83.9	83.9	86.3	86.3	86.3	86.3	86.3	86.3	98.4	98.4	98.4
≥ 400	76.6	82.3	83.9	83.9	86.3	86.3	86.3	86.3	86.3	86.3	99.2	99.2	99.2
≥ 300	76.6	82.3	83.9	83.9	86.3	86.3	86.3	86.3	86.3	86.3	99.2	99.2	99.2
≥ 200	76.6	82.3	83.9	83.9	86.3	86.3	86.3	86.3	86.3	86.3	99.2	99.2	99.2
≥ 100	76.6	82.3	83.9	83.9	86.3	86.3	86.3	86.3	86.3	86.3	99.2	99.2	99.2
≥ 0	76.6	82.3	83.9	83.9	86.3	86.3	86.3	86.3	86.3	86.3	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STA. NO.

MC MURDO STATION, ANTARCTICA
STATION NAME

73-74,76

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	58.3	58.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	58.3	58.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000	58.3	58.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	58.3	58.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	58.3	58.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	58.3	58.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	66.7	66.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 9000	66.7	66.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 8000	66.7	66.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 7000	66.7	66.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 6000	75.0	75.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	75.0	75.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	75.0	75.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3500	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3000	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2000	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1800	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1500	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1000	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 900	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 800	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 700	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 600	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 500	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 400	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 300	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 200	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 100	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 0	83.3	83.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7

TOTAL NUMBER OF OBSERVATIONS

12

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING	53.5	54.2	55.0	55.0	55.3	55.3	55.5	55.5	55.5	55.5	55.7	55.9	55.9
≥ 20000	54.8	55.5	56.3	56.3	56.6	56.6	56.8	56.8	56.8	56.8	57.0	57.2	57.2
≥ 18000	54.8	55.5	56.3	56.3	56.6	56.6	56.8	56.8	56.8	56.8	57.0	57.2	57.2
≥ 16000	56.1	56.8	57.6	57.6	57.9	57.9	58.1	58.1	58.1	58.1	58.3	58.5	58.5
≥ 14000	57.6	58.3	59.1	59.1	59.4	59.4	59.6	59.6	59.6	59.6	59.8	60.0	60.0
≥ 12000	59.6	60.6	61.3	61.3	61.7	61.7	61.9	61.9	61.9	61.9	62.1	62.2	62.2
≥ 10000	60.4	61.3	62.1	62.1	62.6	62.6	62.8	62.8	62.8	62.8	63.0	63.4	63.4
≥ 9000	62.8	64.1	65.1	65.1	65.6	65.6	65.8	65.8	65.8	65.8	66.0	66.4	66.4
≥ 8000	65.6	68.6	69.5	69.5	70.1	70.1	70.3	70.3	70.3	70.7	70.8	71.2	71.2
≥ 7000	69.4	73.6	75.0	75.0	75.5	75.5	75.7	75.9	75.9	76.8	77.0	77.4	77.4
≥ 6000	70.8	75.5	77.2	77.4	78.1	78.1	78.7	78.9	78.9	79.8	80.0	80.4	80.4
≥ 5000	71.2	76.1	77.8	77.9	78.7	78.7	79.3	79.4	79.4	80.4	80.6	80.9	80.9
≥ 4500	71.2	76.1	77.8	77.9	78.7	78.7	79.3	79.4	79.4	80.4	80.6	80.9	80.9
≥ 4000	72.2	77.2	78.9	79.1	79.8	79.8	80.4	80.6	80.6	81.5	81.7	82.1	82.1
≥ 3500	72.7	77.8	79.4	79.6	80.4	80.4	80.9	81.1	81.1	82.1	82.2	82.6	82.6
≥ 3000	74.2	79.3	80.9	81.1	82.2	82.2	83.2	83.4	83.4	84.3	84.5	85.1	85.1
≥ 2500	74.4	79.8	81.5	81.7	82.8	82.8	83.7	83.9	83.9	84.9	85.1	85.6	85.6
≥ 2000	76.1	81.9	84.1	84.5	85.8	85.8	87.1	87.3	87.3	88.2	88.6	89.2	89.2
≥ 1800	76.1	81.9	84.1	84.5	85.8	85.8	87.1	87.3	87.3	88.2	88.6	89.2	89.2
≥ 1500	76.5	82.4	84.7	85.1	86.5	86.5	88.2	88.4	88.4	89.9	90.5	91.0	91.0
≥ 1200	76.5	82.4	84.7	85.1	86.5	86.5	88.2	88.4	88.4	89.9	90.5	91.0	91.0
≥ 1000	77.4	83.7	86.0	86.4	88.4	88.4	90.5	90.7	90.7	93.6	94.6	95.7	95.7
≥ 900	77.4	83.7	86.0	86.4	88.4	88.4	90.5	90.7	90.7	93.6	94.6	95.7	95.7
≥ 800	77.4	83.7	86.0	86.4	88.4	88.4	90.5	90.7	90.7	93.6	94.6	95.7	95.7
≥ 700	77.4	83.7	86.0	86.4	88.4	88.4	90.5	90.7	90.7	94.2	95.5	96.6	97.0
≥ 600	77.4	83.7	86.0	86.4	88.4	88.4	90.5	90.7	90.7	94.2	95.5	96.6	97.0
≥ 500	77.4	83.7	86.0	86.4	88.4	88.4	90.5	90.7	90.7	94.2	95.5	96.6	97.0
≥ 400	77.4	83.7	86.0	86.4	88.4	88.4	90.5	90.7	90.7	94.2	95.5	96.6	97.0
≥ 300	77.4	83.7	86.0	86.4	88.4	88.4	90.5	90.7	90.7	94.2	95.5	96.6	97.0
≥ 200	77.4	83.7	86.0	86.4	88.4	88.4	90.5	90.7	90.7	94.2	95.5	96.6	97.0
≥ 100	77.4	83.7	86.0	86.4	88.4	88.4	90.5	90.7	90.7	94.2	95.5	96.6	97.0
≥ 0	77.4	83.7	86.0	86.4	88.4	88.4	90.5	90.7	90.7	94.2	95.5	96.6	97.0

TOTAL NUMBER OF OBSERVATIONS

535

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	51.7	51.7	51.7	51.7	51.7	51.7	52.5	52.5	52.5	54.2	55.0	55.0	55.0
≥ 20000	51.7	51.7	51.7	51.7	51.7	51.7	52.5	52.5	52.5	54.2	55.0	55.0	55.0
≥ 18000	51.7	51.7	51.7	51.7	51.7	51.7	52.5	52.5	52.5	54.2	55.0	55.0	55.0
≥ 16000	51.7	51.7	51.7	51.7	51.7	51.7	52.5	52.5	52.5	54.2	55.0	55.0	55.0
≥ 14000	54.2	54.2	54.2	54.2	54.2	54.2	55.0	55.0	55.0	56.7	57.5	57.5	57.5
≥ 12000	55.0	55.0	55.0	55.0	55.0	55.0	55.8	55.8	55.8	57.5	58.3	58.3	58.3
≥ 10000	58.3	58.3	58.3	58.3	58.3	58.3	59.2	59.2	59.2	60.8	61.7	61.7	61.7
≥ 9000	59.2	59.2	59.2	59.2	59.2	59.2	60.0	60.0	60.0	61.7	62.5	62.5	62.5
≥ 8000	67.5	67.5	68.3	68.3	68.3	68.3	70.0	70.0	70.0	71.7	72.5	72.5	72.5
≥ 7000	69.2	69.2	70.0	70.0	70.0	70.0	71.7	71.7	71.7	73.3	74.2	74.2	74.2
≥ 6000	70.0	70.0	70.8	70.8	70.8	70.8	72.5	72.5	72.5	74.2	75.0	75.0	75.0
≥ 5000	70.8	70.8	71.7	71.7	71.7	71.7	74.2	74.2	74.2	75.8	76.7	76.7	76.7
≥ 4500	70.8	70.8	71.7	71.7	71.7	71.7	74.2	74.2	74.2	75.8	76.7	76.7	76.7
≥ 4000	71.7	71.7	72.5	72.5	73.3	73.3	75.8	75.8	75.8	77.5	78.3	78.3	78.3
≥ 3500	71.7	71.7	72.5	72.5	73.3	73.3	75.8	75.8	75.8	77.5	78.3	78.3	78.3
≥ 3000	75.8	75.8	78.3	78.3	79.2	79.2	81.7	81.7	81.7	83.3	84.2	84.2	84.2
≥ 2500	77.5	77.5	80.0	80.0	80.8	80.8	83.3	83.3	83.3	85.0	85.8	85.8	85.8
≥ 2000	77.5	77.5	80.0	80.0	82.5	82.5	85.0	85.0	85.0	88.3	89.2	89.2	89.2
≥ 1800	77.5	77.5	80.0	80.0	82.5	82.5	85.0	85.0	85.0	88.3	89.2	89.2	89.2
≥ 1500	78.3	78.3	80.8	80.8	83.3	83.3	85.8	85.8	85.8	89.2	90.0	90.0	90.0
≥ 1200	78.3	78.3	80.8	80.8	83.3	83.3	85.8	85.8	85.8	89.2	90.0	90.0	90.0
≥ 1000	79.2	79.2	81.7	81.7	84.2	84.2	86.7	86.7	86.7	91.7	92.5	92.5	92.5
≥ 900	79.2	79.2	81.7	81.7	84.2	84.2	86.7	86.7	86.7	92.5	93.3	93.3	93.3
≥ 800	79.2	79.2	81.7	81.7	84.2	84.2	86.7	86.7	86.7	92.5	93.3	93.3	93.3
≥ 700	79.2	79.2	81.7	81.7	84.2	84.2	86.7	86.7	86.7	92.5	93.3	93.3	93.3
≥ 600	79.2	79.2	81.7	81.7	84.2	84.2	86.7	86.7	86.7	92.5	93.3	93.3	93.3
≥ 500	79.2	79.2	81.7	81.7	84.2	84.2	86.7	86.7	86.7	92.5	93.3	93.3	93.3
≥ 400	79.2	79.2	81.7	81.7	84.2	84.2	86.7	86.7	86.7	92.5	93.3	93.3	93.3
≥ 300	79.2	79.2	81.7	81.7	84.2	84.2	86.7	86.7	86.7	92.5	93.3	93.3	93.3
≥ 200	79.2	79.2	81.7	81.7	84.2	84.2	86.7	86.7	86.7	92.5	93.3	93.3	93.3
≥ 100	79.2	79.2	81.7	81.7	84.2	84.2	86.7	86.7	86.7	92.5	93.3	93.3	93.3
0	79.2	79.2	81.7	81.7	84.2	84.2	86.7	86.7	86.7	92.5	93.3	93.3	93.3

TOTAL NUMBER OF OBSERVATIONS

120

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 0
NO CEILING	54.9	54.9	54.9	54.9	54.9	54.9	56.3	56.3	56.3	60.6	60.6	60.6
≥ 20000	54.9	54.9	54.9	54.9	54.9	54.9	56.3	56.3	56.3	60.6	60.6	60.6
≥ 18000	54.9	54.9	56.3	56.3	56.3	56.3	57.8	57.8	57.8	62.0	62.0	62.0
≥ 16000	54.9	54.9	56.3	56.3	56.3	56.3	57.8	57.8	57.8	62.0	62.0	62.0
≥ 14000	54.9	54.9	56.3	56.3	56.3	56.3	57.8	57.8	57.8	62.0	62.0	62.0
≥ 12000	56.3	56.3	57.8	57.8	57.8	57.8	59.2	59.2	59.2	63.4	63.4	63.4
≥ 10000	59.2	59.2	60.6	60.6	60.6	60.6	62.0	62.0	62.0	66.2	66.2	66.2
≥ 9000	59.2	59.2	60.6	60.6	60.6	60.6	62.0	62.0	62.0	66.2	66.2	66.2
≥ 8000	67.6	67.6	69.0	69.0	69.0	69.0	71.8	71.8	71.8	76.1	76.1	76.1
≥ 7000	76.1	76.1	77.5	77.5	77.5	77.5	80.3	80.3	80.3	84.5	84.5	84.5
≥ 6000	76.1	76.1	77.5	77.5	77.5	77.5	80.3	80.3	80.3	84.5	84.5	84.5
≥ 5000	77.5	77.5	78.9	78.9	78.9	78.9	81.7	81.7	81.7	85.9	85.9	85.9
≥ 4500	77.5	77.5	78.9	78.9	78.9	78.9	81.7	81.7	81.7	85.9	85.9	85.9
≥ 4000	77.5	77.5	78.9	78.9	78.9	78.9	81.7	81.7	81.7	85.9	85.9	85.9
≥ 3500	77.5	77.5	78.9	78.9	78.9	78.9	81.7	81.7	81.7	85.9	85.9	85.9
≥ 3000	77.5	77.5	80.3	80.3	80.3	80.3	83.1	83.1	83.1	88.7	88.7	88.7
≥ 2500	77.5	77.5	81.7	81.7	81.7	81.7	84.5	84.5	84.5	90.1	90.1	90.1
≥ 2000	77.5	77.5	81.7	81.7	81.7	81.7	84.5	84.5	84.5	90.1	90.1	90.1
≥ 1800	77.5	77.5	81.7	81.7	81.7	81.7	84.5	84.5	84.5	90.1	90.1	90.1
≥ 1500	77.5	77.5	83.1	83.1	83.1	83.1	85.9	85.9	85.9	91.6	91.6	93.0
≥ 1200	77.5	77.5	83.1	83.1	83.1	83.1	85.9	85.9	85.9	91.6	91.6	93.0
≥ 1000	77.5	77.5	83.1	83.1	83.1	83.1	87.3	87.3	87.3	93.0	93.0	95.8
≥ 900	77.5	77.5	83.1	83.1	83.1	83.1	87.3	87.3	87.3	93.0	93.0	95.8
≥ 800	77.5	77.5	83.1	83.1	83.1	83.1	87.3	87.3	87.3	93.0	93.0	95.8
≥ 700	77.5	77.5	83.1	83.1	83.1	83.1	87.3	87.3	87.3	93.0	93.0	95.8
≥ 600	77.5	77.5	83.1	83.1	83.1	83.1	87.3	87.3	87.3	93.0	93.0	95.8
≥ 500	77.5	77.5	83.1	83.1	83.1	83.1	87.3	87.3	87.3	93.0	93.0	95.8
≥ 400	77.5	77.5	83.1	83.1	83.1	83.1	87.3	87.3	87.3	93.0	93.0	95.8
≥ 300	77.5	77.5	83.1	83.1	83.1	83.1	87.3	87.3	87.3	93.0	93.0	95.8
≥ 200	77.5	77.5	83.1	83.1	83.1	83.1	87.3	87.3	87.3	93.0	93.0	95.8
≥ 100	77.5	77.5	83.1	83.1	83.1	83.1	87.3	87.3	87.3	93.0	93.0	95.8
0	77.5	77.5	83.1	83.1	83.1	83.1	87.3	87.3	87.3	93.0	93.0	95.8

TOTAL NUMBER OF OBSERVATIONS

71

CEILING VERSUS VISIBILITY

87601
STATIONMC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

SEP
MONTH

06

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	40.8	41.7	43.3	43.3	43.3	43.3	44.2	44.2	44.2	45.0	45.0
≥ 20000	40.8	41.7	43.3	43.3	43.3	43.3	44.2	44.2	44.2	45.0	45.0
18000	40.8	41.7	43.3	43.3	43.3	43.3	44.2	44.2	44.2	45.0	45.0
≥ 16000	40.8	41.7	43.3	43.3	43.3	43.3	44.2	44.2	44.2	45.0	45.0
14000	43.3	44.2	45.8	45.8	45.8	45.8	46.7	46.7	46.7	47.5	47.5
≥ 12000	43.3	44.2	45.8	45.8	45.8	45.8	46.7	46.7	46.7	47.5	47.5
10000	45.0	45.8	48.3	48.3	48.3	48.3	49.2	49.2	49.2	50.0	50.0
≥ 9000	48.3	49.2	51.7	51.7	51.7	51.7	52.5	52.5	52.5	53.3	53.3
8000	58.3	60.8	63.3	63.3	63.3	63.3	65.0	65.0	65.0	65.8	65.8
≥ 7000	62.5	65.0	67.5	67.5	67.5	67.5	70.0	70.0	70.0	70.8	70.8
6000	62.5	65.0	67.5	67.5	67.5	67.5	70.0	70.0	70.0	70.8	70.8
≥ 5000	65.8	68.3	70.8	70.8	70.8	70.8	73.3	73.3	73.3	75.0	75.0
4500	65.8	68.3	70.8	70.8	70.8	70.8	73.3	73.3	73.3	75.0	75.0
≥ 4000	68.3	70.8	73.3	73.3	73.3	73.3	75.8	75.8	75.8	79.2	79.2
3500	68.3	70.8	73.3	73.3	73.3	73.3	75.8	75.8	75.8	79.2	79.2
≥ 3000	70.8	73.3	75.8	75.8	75.8	75.8	79.2	80.0	80.0	83.3	83.3
2500	70.8	73.3	75.8	75.8	75.8	75.8	79.2	80.0	80.0	83.3	83.3
≥ 2000	72.5	75.0	77.5	77.5	77.5	77.5	80.8	81.7	81.7	86.7	86.7
1800	72.5	75.0	77.5	77.5	77.5	77.5	80.8	81.7	81.7	86.7	86.7
≥ 1500	72.5	75.0	77.5	77.5	77.5	77.5	80.8	81.7	81.7	86.7	86.7
1200	72.5	75.0	77.5	77.5	77.5	77.5	80.8	81.7	81.7	86.7	86.7
≥ 1000	73.3	75.8	78.3	78.3	78.3	78.3	81.7	82.5	82.5	89.2	89.2
900	73.3	75.8	78.3	78.3	78.3	78.3	81.7	82.5	82.5	89.2	89.2
≥ 800	73.3	75.8	78.3	78.3	78.3	78.3	81.7	82.5	82.5	89.2	89.2
700	73.3	75.8	78.3	78.3	78.3	78.3	81.7	82.5	82.5	89.2	89.2
≥ 600	73.3	75.8	78.3	78.3	78.3	78.3	81.7	82.5	82.5	89.2	89.2
500	73.3	75.8	78.3	78.3	78.3	78.3	81.7	82.5	82.5	89.2	89.2
≥ 400	73.3	75.8	78.3	78.3	78.3	78.3	81.7	82.5	82.5	89.2	89.2
300	73.3	75.8	78.3	78.3	78.3	78.3	81.7	82.5	82.5	89.2	89.2
≥ 200	73.3	75.8	78.3	78.3	78.3	78.3	81.7	82.5	82.5	89.2	89.2
100	73.3	75.8	78.3	78.3	78.3	78.3	81.7	82.5	82.5	89.2	89.2
0	73.3	75.8	78.3	78.3	78.3	78.3	81.7	82.5	82.5	89.2	89.2

TOTAL NUMBER OF OBSERVATIONS

120

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601

MC MURDO STATION, ANTARCTICA

73-76

YEARS

SEP

STATION NAME

TEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	47.3	47.3	47.3	47.3	47.3	47.3	47.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 18000	48.7	48.7	48.7	48.7	48.7	48.7	48.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	59.5	59.5	59.5	59.5	60.8	60.8	60.8
≥ 10000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	60.8	60.8	60.8	60.8	62.2	62.2	62.2
≥ 9000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	64.9	64.9	64.9	64.9	66.2	66.2	66.2
≥ 8000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	71.6	71.6	71.6	71.6	74.3	74.3	74.3
≥ 7000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	77.0	77.0	77.0	77.0	79.7	79.7	79.7
≥ 6000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	78.4	78.4	78.4	78.4	82.4	82.4	82.4
≥ 5000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	79.7	79.7	79.7	79.7	83.8	83.8	83.8
≥ 4500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	79.7	79.7	79.7	79.7	83.8	83.8	83.8
≥ 4000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	81.1	81.1	81.1	81.1	85.1	85.1	85.1
≥ 3500	81.1	81.1	81.1	81.1	81.1	81.1	81.1	83.8	83.8	83.8	83.8	87.8	87.8	87.8
≥ 3000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	85.1	85.1	85.1	85.1	89.2	89.2	89.2
≥ 2500	82.4	82.4	82.4	82.4	82.4	82.4	82.4	86.5	86.5	86.5	86.5	91.9	91.9	91.9
≥ 2000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	86.5	86.5	86.5	86.5	91.9	91.9	91.9
≥ 1800	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.8	87.8	87.8	87.8	93.2	93.2	93.2
≥ 1500	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.8	87.8	87.8	87.8	93.2	93.2	93.2
≥ 1200	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.8	87.8	87.8	87.8	94.6	94.6	94.6
≥ 1000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.8	87.8	87.8	87.8	94.6	94.6	94.6
≥ 900	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.8	87.8	87.8	87.8	94.6	94.6	94.6
≥ 800	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.8	87.8	87.8	87.8	94.6	94.6	94.6
≥ 700	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.8	87.8	87.8	87.8	94.6	94.6	94.6
≥ 600	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.8	87.8	87.8	87.8	94.6	94.6	94.6
≥ 500	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.8	87.8	87.8	87.8	94.6	94.6	94.6
≥ 400	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.8	87.8	87.8	87.8	94.6	94.6	94.6
≥ 300	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.8	87.8	87.8	87.8	94.6	94.6	94.6
≥ 200	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.8	87.8	87.8	87.8	94.6	94.6	94.6
≥ 100	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.8	87.8	87.8	87.8	94.6	94.6	94.6
≥ 0	83.8	83.8	83.8	83.8	83.8	83.8	83.8	87.8	87.8	87.8	87.8	94.6	94.6	94.6

TOTAL NUMBER OF OBSERVATIONS

74

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	43.3	43.3	43.3
≥ 20000	42.5	42.5	42.5	42.5	43.3	43.3	43.3	43.3	43.3	43.3	44.2	44.2	44.2
≥ 18000	42.5	42.5	42.5	42.5	43.3	43.3	43.3	43.3	43.3	43.3	44.2	44.2	44.2
≥ 16000	44.2	44.2	44.2	44.2	45.0	45.0	45.0	45.0	45.0	45.0	45.8	45.8	45.8
≥ 14000	47.5	47.5	47.5	47.5	48.3	48.3	48.3	48.3	48.3	48.3	49.2	49.2	49.2
≥ 12000	50.0	50.0	50.0	50.0	50.8	50.8	50.8	50.8	50.8	50.8	51.7	51.7	51.7
≥ 10000	52.5	52.5	52.5	52.5	54.2	54.2	54.2	54.2	54.2	54.2	55.0	55.0	55.0
≥ 9000	55.8	55.8	55.8	55.8	57.5	57.5	57.5	57.5	57.5	57.5	58.3	58.3	58.3
≥ 8000	66.7	66.7	66.7	66.7	68.3	68.3	68.3	68.3	68.3	68.3	69.2	69.2	69.2
≥ 7000	72.5	72.5	72.5	72.5	74.2	74.2	74.2	75.0	75.0	75.0	75.8	75.8	75.8
≥ 6000	73.3	73.3	73.3	73.3	75.0	75.0	75.0	75.8	75.8	75.8	76.7	76.7	76.7
≥ 5000	75.0	75.8	75.8	75.8	77.5	77.5	77.5	78.3	78.3	78.3	79.2	79.2	79.2
≥ 4500	76.7	77.5	77.5	77.5	79.2	79.2	79.2	80.0	80.0	80.0	80.8	80.8	80.8
≥ 4000	77.5	78.3	78.3	78.3	80.0	80.0	80.0	80.8	80.8	80.8	81.7	81.7	81.7
≥ 3500	80.0	80.8	81.7	81.7	83.3	83.3	84.2	84.2	84.2	84.2	85.0	85.0	85.0
≥ 3000	80.8	81.7	82.5	82.5	85.0	85.0	85.8	85.8	85.8	85.8	86.7	86.7	86.7
≥ 2500	80.8	81.7	82.5	82.5	85.0	85.0	85.8	85.8	85.8	85.8	86.7	86.7	86.7
≥ 2000	80.8	81.7	82.5	82.5	85.0	85.0	85.8	85.8	85.8	85.8	86.7	86.7	86.7
≥ 1800	80.8	81.7	82.5	82.5	85.0	85.0	85.8	85.8	85.8	85.8	86.7	86.7	86.7
≥ 1500	80.8	81.7	82.5	82.5	85.0	85.0	85.8	85.8	85.8	85.8	86.7	86.7	86.7
≥ 1200	80.8	81.7	82.5	82.5	85.0	85.0	85.8	85.8	85.8	85.8	86.7	86.7	86.7
≥ 1000	80.8	81.7	82.5	82.5	85.0	85.0	85.8	85.8	85.8	85.8	86.7	86.7	86.7
≥ 900	80.8	81.7	82.5	82.5	85.0	85.8	86.7	86.7	86.7	86.7	87.5	87.5	87.5
≥ 800	80.8	81.7	82.5	82.5	85.8	85.8	86.7	86.7	86.7	86.7	87.5	87.5	87.5
≥ 700	80.8	81.7	82.5	82.5	85.8	85.8	86.7	86.7	86.7	86.7	87.5	87.5	87.5
≥ 600	80.8	81.7	82.5	82.5	85.8	85.8	86.7	86.7	86.7	86.7	87.5	87.5	87.5
≥ 500	80.8	81.7	82.5	82.5	85.8	85.8	86.7	86.7	86.7	86.7	87.5	87.5	87.5
≥ 400	80.8	81.7	82.5	82.5	85.8	85.8	86.7	86.7	86.7	86.7	87.5	87.5	87.5
≥ 300	80.8	81.7	82.5	82.5	85.8	85.8	86.7	86.7	86.7	86.7	87.5	87.5	87.5
≥ 200	80.8	81.7	82.5	82.5	85.8	85.8	86.7	86.7	86.7	86.7	87.5	87.5	87.5
≥ 100	80.8	81.7	82.5	82.5	85.8	85.8	86.7	86.7	86.7	86.7	87.5	87.5	87.5
0	80.8	81.7	82.5	82.5	85.8	85.8	86.7	86.7	86.7	86.7	87.5	87.5	87.5

TOTAL NUMBER OF OBSERVATIONS

120

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

SEP
MONTH

15

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	45.8	47.2	48.6	48.6	48.6	48.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	45.8	47.2	48.6	48.6	48.6	48.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	48.6	50.0	51.4	51.4	51.4	51.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 16000	51.4	52.8	54.2	54.2	54.2	54.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 14000	58.3	59.7	61.1	61.1	61.1	61.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 12000	58.3	59.7	61.1	61.1	61.1	61.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 10000	59.7	61.1	62.5	62.5	62.5	62.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	62.5	63.9	65.3	65.3	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	69.4	70.8	72.2	72.2	72.2	72.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 7000	73.6	75.0	76.4	76.4	76.4	76.4	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 6000	75.0	76.4	77.8	77.8	77.8	77.8	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 5000	77.8	79.2	80.6	80.6	80.6	80.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	77.8	79.2	80.6	80.6	80.6	80.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	77.8	79.2	80.6	80.6	80.6	80.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	79.2	80.6	81.9	81.9	81.9	81.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	80.6	81.9	83.3	83.3	83.3	83.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2500	81.9	83.3	84.7	84.7	84.7	84.7	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2000	81.9	83.3	86.1	86.1	86.1	86.1	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1800	81.9	83.3	86.1	86.1	86.1	86.1	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1500	83.3	84.7	87.5	87.5	87.5	87.5	90.3	90.3	90.3	91.7	91.7	93.1	93.1	93.1	93.1
≥ 1200	83.3	84.7	87.5	87.5	87.5	87.5	90.3	90.3	90.3	93.1	93.1	94.4	94.4	94.4	94.4
≥ 1000	83.3	84.7	87.5	87.5	87.5	87.5	90.3	90.3	90.3	94.4	94.4	95.8	95.8	95.8	95.8
≥ 900	83.3	84.7	87.5	87.5	87.5	87.5	90.3	90.3	90.3	94.4	94.4	95.8	95.8	95.8	95.8
≥ 800	83.3	84.7	87.5	87.5	87.5	87.5	90.3	90.3	90.3	94.4	94.4	95.8	95.8	95.8	95.8
≥ 700	83.3	84.7	87.5	87.5	87.5	87.5	90.3	90.3	90.3	94.4	94.4	95.8	95.8	95.8	95.8
≥ 600	83.3	84.7	87.5	87.5	87.5	87.5	90.3	90.3	90.3	94.4	94.4	95.8	95.8	95.8	95.8
≥ 500	83.3	84.7	87.5	87.5	87.5	87.5	90.3	90.3	90.3	94.4	94.4	95.8	95.8	95.8	95.8
≥ 400	83.3	84.7	87.5	87.5	87.5	87.5	90.3	90.3	90.3	94.4	94.4	95.8	95.8	95.8	95.8
≥ 300	83.3	84.7	87.5	87.5	87.5	87.5	90.3	90.3	90.3	94.4	94.4	95.8	95.8	95.8	95.8
≥ 200	83.3	84.7	87.5	87.5	87.5	87.5	90.3	90.3	90.3	94.4	94.4	95.8	95.8	95.8	95.8
≥ 100	83.3	84.7	87.5	87.5	87.5	87.5	90.3	90.3	90.3	94.4	94.4	95.8	95.8	95.8	95.8
0	83.3	84.7	87.5	87.5	87.5	87.5	90.3	90.3	90.3	94.4	94.4	95.8	95.8	95.8	95.8

TOTAL NUMBER OF OBSERVATIONS

72

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATIONMC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

SEP
MONTH

18

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING	41.7	41.7	41.7	41.7	42.5	42.5	42.5	42.5	42.5	42.5	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	42.5	42.5	42.5	42.5	43.3	43.3	43.3	43.3	43.3	43.3	44.2	44.2	44.2	44.2	44.2	44.2
≥ 18000	42.5	42.5	42.5	42.5	43.3	43.3	43.3	43.3	43.3	43.3	44.2	44.2	44.2	44.2	44.2	44.2
≥ 16000	42.5	42.5	42.5	42.5	43.3	43.3	43.3	43.3	43.3	43.3	44.2	44.2	44.2	44.2	44.2	44.2
≥ 14000	45.8	45.8	45.8	45.8	46.7	46.7	46.7	46.7	46.7	46.7	47.5	47.5	47.5	47.5	47.5	47.5
≥ 12000	49.2	49.2	49.2	49.2	50.0	50.0	50.0	50.0	50.0	50.0	50.8	50.8	50.8	50.8	50.8	50.8
≥ 10000	50.0	50.0	50.8	50.8	51.7	51.7	51.7	51.7	51.7	52.5	53.3	53.3	53.3	53.3	53.3	53.3
≥ 9000	50.8	50.8	52.5	52.5	53.3	53.3	53.3	53.3	53.3	54.2	55.0	55.0	55.0	55.0	55.0	55.0
≥ 8000	55.8	55.8	58.3	58.3	59.2	59.2	60.0	60.0	60.0	60.8	61.7	61.7	61.7	61.7	62.5	62.5
≥ 7000	58.3	58.3	60.8	60.8	61.7	61.7	63.3	63.3	63.3	64.2	65.0	65.0	65.0	65.0	65.8	65.8
≥ 6000	60.8	60.8	63.3	63.3	64.2	64.2	65.8	65.8	65.8	66.7	67.5	67.5	67.5	67.5	68.3	68.3
≥ 5000	63.3	63.3	65.8	65.8	67.5	67.5	69.2	69.2	69.2	70.0	70.8	70.8	70.8	70.8	71.7	71.7
≥ 4500	65.0	65.0	67.5	67.5	69.2	69.2	70.8	70.8	70.8	71.7	72.5	72.5	72.5	72.5	73.3	73.3
≥ 4000	68.3	68.3	70.8	70.8	72.5	72.5	74.2	74.2	74.2	75.0	75.8	75.8	75.8	75.8	76.7	76.7
≥ 3500	70.0	70.0	72.5	72.5	74.2	74.2	75.8	75.8	75.8	76.7	77.5	77.5	77.5	77.5	78.3	78.3
≥ 3000	72.5	72.5	75.8	75.8	77.5	77.5	79.2	79.2	79.2	79.2	80.0	80.8	80.8	80.8	81.7	81.7
≥ 2500	74.2	74.2	77.5	77.5	79.2	79.2	80.8	80.8	80.8	81.7	82.5	82.5	82.5	82.5	83.3	83.3
≥ 2000	75.8	75.8	79.2	79.2	80.8	80.8	82.5	82.5	82.5	83.3	84.2	84.2	84.2	84.2	85.0	85.0
≥ 1800	75.8	75.8	79.2	79.2	80.8	80.8	82.5	82.5	82.5	83.3	84.2	84.2	84.2	84.2	85.0	85.0
≥ 1500	79.2	79.2	82.5	82.5	85.0	85.0	86.7	86.7	86.7	87.5	88.3	88.3	88.3	88.3	89.2	89.2
≥ 1200	79.2	79.2	82.5	82.5	85.0	85.0	86.7	86.7	86.7	87.5	88.3	88.3	88.3	88.3	89.2	89.2
≥ 1000	80.0	80.0	84.2	84.2	86.7	86.7	88.3	88.3	88.3	89.2	90.0	90.8	90.8	90.8	91.7	91.7
≥ 900	80.0	80.0	84.2	84.2	86.7	86.7	88.3	88.3	88.3	89.2	90.0	90.8	90.8	90.8	91.7	91.7
≥ 800	80.0	80.0	84.2	84.2	86.7	86.7	88.3	88.3	88.3	89.2	90.0	90.8	90.8	90.8	91.7	91.7
≥ 700	80.0	80.0	84.2	84.2	86.7	86.7	88.3	88.3	88.3	89.2	90.0	90.8	90.8	90.8	91.7	91.7
≥ 600	80.0	80.0	84.2	84.2	86.7	86.7	88.3	88.3	88.3	89.2	90.0	90.8	90.8	90.8	91.7	91.7
≥ 500	80.0	80.0	84.2	84.2	86.7	86.7	88.3	88.3	88.3	89.2	90.0	90.8	90.8	90.8	91.7	91.7
≥ 400	80.0	80.0	84.2	84.2	86.7	86.7	88.3	88.3	88.3	89.2	90.0	90.8	90.8	90.8	91.7	91.7
≥ 300	80.0	80.0	84.2	84.2	86.7	86.7	88.3	88.3	88.3	89.2	90.0	90.8	90.8	90.8	91.7	91.7
≥ 200	80.0	80.0	84.2	84.2	86.7	86.7	88.3	88.3	88.3	89.2	90.0	90.8	90.8	90.8	91.7	91.7
≥ 100	80.0	80.0	84.2	84.2	86.7	86.7	88.3	88.3	88.3	89.2	90.0	90.8	90.8	90.8	91.7	91.7
0	80.0	80.0	84.2	84.2	86.7	86.7	88.3	88.3	88.3	89.2	90.0	90.8	90.8	90.8	91.7	91.7

TOTAL NUMBER OF OBSERVATIONS

120

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION
57601

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ 0
NO CEILING	50.7	50.7	52.1	52.1	52.1	52.1	53.4	53.4	53.4	54.8	56.2
≥ 20000	50.7	50.7	52.1	52.1	52.1	52.1	53.4	53.4	53.4	54.8	56.2
≥ 18000	50.7	50.7	52.1	52.1	52.1	52.1	53.4	53.4	53.4	54.8	56.2
≥ 16000	52.1	52.1	53.4	53.4	53.4	53.4	54.8	54.8	54.8	56.2	57.5
≥ 14000	56.2	56.2	57.5	57.5	57.5	57.5	58.9	58.9	58.9	60.3	61.6
≥ 12000	56.2	56.2	57.5	57.5	57.5	57.5	58.9	58.9	58.9	60.3	61.6
≥ 10000	58.9	58.9	60.3	60.3	60.3	60.3	61.6	61.6	61.6	63.0	64.4
≥ 9000	58.9	58.9	60.3	60.3	60.3	60.3	61.6	61.6	61.6	63.0	64.4
≥ 8000	67.1	67.1	69.9	69.9	69.9	69.9	72.6	72.6	72.6	74.0	75.3
≥ 7000	67.1	67.1	69.9	69.9	69.9	69.9	72.6	72.6	72.6	74.0	75.3
≥ 6000	69.9	69.9	72.6	72.6	72.6	72.6	74.0	74.0	74.0	75.3	76.7
≥ 5000	69.9	69.9	72.6	72.6	72.6	72.6	74.0	74.0	74.0	75.3	76.7
≥ 4500	69.9	69.9	72.6	72.6	72.6	72.6	74.0	74.0	74.0	75.3	76.7
≥ 4000	69.9	69.9	72.6	72.6	72.6	72.6	74.0	74.0	74.0	75.3	76.7
≥ 3500	71.2	71.2	74.0	74.0	74.0	74.0	75.3	75.3	75.3	76.7	77.9
≥ 3000	78.1	78.1	80.8	80.8	80.8	80.8	82.2	82.2	82.2	83.6	84.9
≥ 2500	78.1	78.1	80.8	80.8	80.8	80.8	82.2	82.2	82.2	83.6	84.9
≥ 2000	80.8	80.8	83.6	83.6	83.6	83.6	84.9	84.9	84.9	86.3	87.7
≥ 1800	80.8	80.8	83.6	83.6	83.6	83.6	84.9	84.9	84.9	86.3	87.7
≥ 1500	82.2	82.2	84.9	84.9	84.9	84.9	86.3	86.3	86.3	87.7	89.0
≥ 1200	82.2	82.2	84.9	84.9	84.9	84.9	86.3	86.3	86.3	87.7	89.0
≥ 1000	82.2	82.2	84.9	84.9	84.9	84.9	86.3	86.3	86.3	87.7	89.0
≥ 900	82.2	82.2	84.9	84.9	84.9	84.9	86.3	86.3	86.3	87.7	89.0
≥ 800	82.2	82.2	84.9	84.9	84.9	84.9	86.3	86.3	86.3	87.7	89.0
≥ 700	82.2	82.2	84.9	84.9	84.9	84.9	86.3	86.3	86.3	87.7	89.0
≥ 600	82.2	82.2	84.9	84.9	84.9	84.9	86.3	86.3	86.3	87.7	89.0
≥ 500	82.2	82.2	84.9	84.9	84.9	84.9	86.3	86.3	86.3	87.7	89.0
≥ 400	82.2	82.2	84.9	84.9	84.9	84.9	86.3	86.3	86.3	87.7	89.0
≥ 300	82.2	82.2	84.9	84.9	84.9	84.9	86.3	86.3	86.3	87.7	89.0
≥ 200	82.2	82.2	84.9	84.9	84.9	84.9	86.3	86.3	86.3	87.7	89.0
≥ 100	82.2	82.2	84.9	84.9	84.9	84.9	86.3	86.3	86.3	87.7	89.0
0	82.2	82.2	84.9	84.9	84.9	84.9	86.3	86.3	86.3	87.7	89.0

TOTAL NUMBER OF OBSERVATIONS

73

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	46.2	46.5	47.0	47.0	47.1	47.1	47.9	47.9	47.9	48.8	49.1	49.4	49.4
≥ 20000	46.4	46.6	47.1	47.1	47.4	47.4	48.2	48.2	48.2	49.1	49.4	49.6	49.6
≥ 18000	46.8	47.0	47.7	47.7	47.9	47.9	48.7	48.7	48.7	49.6	49.9	50.1	50.1
≥ 16000	47.7	47.9	48.6	48.6	48.8	48.8	49.6	49.6	49.6	50.5	50.8	51.0	51.0
≥ 14000	51.0	51.3	52.0	52.0	52.2	52.2	53.0	53.0	53.0	53.9	54.2	54.4	54.4
≥ 12000	52.3	52.6	53.3	53.3	53.5	53.5	54.3	54.3	54.3	55.2	55.6	55.8	55.8
≥ 10000	54.4	54.7	55.6	55.6	56.0	56.0	56.8	56.8	56.8	57.8	58.2	58.4	58.4
≥ 9000	56.4	56.6	57.7	57.7	58.1	58.1	58.8	58.8	58.8	59.9	60.3	60.5	60.5
≥ 8000	64.6	65.1	66.5	66.5	66.9	66.9	68.3	68.3	68.3	69.5	70.1	70.3	70.3
≥ 7000	68.3	68.8	70.3	70.3	70.7	70.7	72.9	72.9	72.9	74.0	74.4	74.8	74.9
≥ 6000	69.5	70.0	71.4	71.4	71.8	71.8	74.0	74.0	74.0	75.3	75.7	76.1	76.2
≥ 5000	71.3	72.0	73.4	73.4	73.9	73.9	76.4	76.4	76.4	77.8	78.2	78.6	78.7
≥ 4500	71.6	72.2	73.6	73.6	74.2	74.2	76.6	76.6	76.6	78.1	78.4	78.8	79.0
≥ 4000	73.0	73.6	75.1	75.1	75.7	75.7	78.2	78.2	78.2	79.9	80.3	80.7	80.8
≥ 3500	73.9	74.6	76.0	76.0	76.6	76.6	79.1	79.1	79.1	80.8	81.2	81.6	81.7
≥ 3000	76.6	77.3	79.4	79.4	80.0	80.0	82.6	82.6	82.6	84.6	84.9	85.3	85.5
≥ 2500	77.4	78.1	80.3	80.3	81.0	81.0	83.6	83.6	83.6	85.6	86.0	86.4	86.5
≥ 2000	78.2	78.8	81.2	81.2	82.2	82.2	84.9	84.9	84.9	87.5	88.1	88.4	88.6
≥ 1800	78.2	78.8	81.2	81.2	82.2	82.2	84.9	84.9	84.9	87.5	88.1	88.4	88.6
≥ 1500	79.2	79.9	82.3	82.3	83.5	83.5	86.4	86.4	86.4	89.2	89.7	90.1	90.8
≥ 1200	79.2	79.9	82.3	82.3	83.5	83.5	86.4	86.4	86.4	89.2	89.7	90.1	90.8
≥ 1000	79.6	80.3	82.9	82.9	84.0	84.0	87.0	87.0	87.0	90.8	91.3	92.1	93.4
≥ 900	79.6	80.3	83.0	83.0	84.2	84.2	87.1	87.1	87.1	91.4	92.0	93.3	94.3
≥ 800	79.6	80.3	83.0	83.0	84.2	84.2	87.3	87.3	87.3	91.8	92.5	94.0	95.8
≥ 700	79.6	80.3	83.0	83.0	84.2	84.2	87.3	87.3	87.3	91.8	92.5	94.2	96.4
≥ 600	79.6	80.3	83.0	83.0	84.2	84.2	87.3	87.3	87.3	91.8	92.5	94.3	96.8
≥ 500	79.6	80.3	83.0	83.0	84.2	84.2	87.3	87.3	87.3	91.8	92.5	94.3	97.3
≥ 400	79.6	80.3	83.0	83.0	84.2	84.2	87.3	87.3	87.3	91.8	92.5	94.3	97.9
≥ 300	79.6	80.3	83.0	83.0	84.2	84.2	87.3	87.3	87.3	91.8	92.5	94.4	97.7
≥ 200	79.6	80.3	83.0	83.0	84.2	84.2	87.3	87.3	87.3	92.0	92.6	94.6	98.1
≥ 100	79.6	80.3	83.0	83.0	84.2	84.2	87.3	87.3	87.3	92.0	92.6	94.6	98.4
0	79.6	80.3	83.0	83.0	84.2	84.2	87.3	87.3	87.3	92.0	92.6	94.6	98.4

TOTAL NUMBER OF OBSERVATIONS

770

CEILING VERSUS VISIBILITY

87601 STATION MC MURDO STATION, ANTARCTICA 73-76 YEARS OCT MONTH 00 HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 20000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 14000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 9000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	65.3	65.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 7000	69.4	69.4	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 6000	71.0	71.0	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 5000	74.2	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4500	75.0	75.0	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4000	75.8	75.8	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3500	76.6	76.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	81.5	82.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2500	81.5	82.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000	81.5	82.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	81.5	82.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500	82.3	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1200	82.3	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1000	82.3	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 900	82.3	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 800	82.3	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 700	82.3	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 600	82.3	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 500	82.3	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 400	82.3	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 300	82.3	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 200	82.3	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 100	82.3	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
0	82.3	83.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5

TOTAL NUMBER OF OBSERVATIONS 124

CEILING VERSUS VISIBILITY

87601
STATIONMC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

OCT
MONTH

03

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 18000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 12000	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 10000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 7000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 6000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 5000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000	78.3	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500	79.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 900	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 700	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 600	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 500	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 400	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 300	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 200	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 100	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
0	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2

TOTAL NUMBER OF OBSERVATIONS

115

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

1 OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 18000	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 16000	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 14000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000	54.8	54.8	54.8	54.8	54.8	54.8	55.7	55.7	55.7	56.5	56.5	56.5	56.5
≥ 10000	57.3	57.3	57.3	57.3	57.3	57.3	58.1	58.1	58.1	58.9	58.9	59.7	59.7
≥ 9000	62.9	62.9	63.7	63.7	64.5	64.5	65.3	65.3	65.3	66.9	66.9	67.7	67.7
≥ 8000	69.4	69.4	70.2	70.2	71.0	71.0	72.6	72.6	72.6	74.2	74.2	75.8	75.8
≥ 7000	71.8	71.8	72.6	72.6	73.4	73.4	75.0	75.0	75.0	76.6	76.6	78.2	78.2
≥ 6000	73.4	73.4	74.2	74.2	75.0	75.0	76.6	76.6	76.6	78.2	78.2	80.7	80.7
≥ 5000	73.4	73.4	74.2	74.2	75.8	75.8	77.4	77.4	77.4	79.0	79.0	81.5	81.5
≥ 4500	74.2	74.2	75.0	75.0	76.6	76.6	78.2	78.2	78.2	79.8	79.8	82.3	82.3
≥ 4000	75.8	75.8	76.6	76.6	78.2	78.2	79.8	79.8	79.8	81.5	81.5	84.7	84.7
≥ 3500	76.6	77.4	78.2	78.2	79.8	79.8	81.5	81.5	81.5	83.9	83.9	86.3	86.3
≥ 3000	77.4	78.2	79.8	79.8	81.5	81.5	83.1	83.1	83.1	85.5	85.5	87.9	87.9
≥ 2500	79.0	79.8	81.5	81.5	83.1	83.1	84.7	84.7	84.7	87.1	87.1	89.5	89.5
≥ 2000	79.0	79.8	82.3	82.3	83.9	83.9	85.5	85.5	85.5	88.7	88.7	91.1	91.1
≥ 1800	79.0	79.8	82.3	82.3	83.9	83.9	85.5	85.5	85.5	88.7	88.7	91.1	91.1
≥ 1500	79.0	79.8	83.1	83.1	84.7	84.7	86.3	86.3	86.3	89.5	89.5	91.9	91.9
≥ 1200	79.0	79.8	83.1	83.1	84.7	84.7	86.3	86.3	86.3	90.3	90.3	92.7	92.7
≥ 1000	79.0	79.8	83.1	83.1	84.7	84.7	87.1	87.1	87.1	91.9	91.9	94.4	94.4
≥ 900	79.0	79.8	83.1	83.1	84.7	84.7	87.1	87.1	87.1	91.9	91.9	94.4	94.4
≥ 800	79.0	79.8	83.1	83.1	84.7	84.7	87.1	87.1	87.1	91.9	91.9	94.4	94.4
≥ 700	79.0	79.8	83.1	83.1	84.7	84.7	87.1	87.1	87.1	91.9	91.9	94.4	94.4
≥ 600	79.0	79.8	83.1	83.1	84.7	84.7	87.1	87.1	87.1	91.9	91.9	94.4	94.4
≥ 500	79.0	79.8	83.1	83.1	84.7	84.7	87.1	87.1	87.1	91.9	91.9	94.4	94.4
≥ 400	79.0	79.8	83.1	83.1	84.7	84.7	87.1	87.1	87.1	91.9	91.9	94.4	94.4
≥ 300	79.0	79.8	83.1	83.1	84.7	84.7	87.1	87.1	87.1	91.9	91.9	94.4	94.4
≥ 200	79.0	79.8	83.1	83.1	84.7	84.7	87.1	87.1	87.1	91.9	91.9	94.4	94.4
≥ 100	79.0	79.8	83.1	83.1	84.7	84.7	87.1	87.1	87.1	91.9	91.9	94.4	94.4
0	79.0	79.8	83.1	83.1	84.7	84.7	87.1	87.1	87.1	91.9	91.9	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

OCT

MONTH

09

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 20000	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 10000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 9000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 8000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 5000	80.2	80.2	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4500	80.2	80.2	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000	81.9	81.9	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3500	81.9	81.9	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3000	83.6	83.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	83.6	83.6	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2000	85.3	85.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	85.3	85.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	86.2	86.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1200	86.2	86.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1000	86.2	86.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 900	86.2	86.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 800	86.2	86.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 700	86.2	86.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 600	86.2	86.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 500	86.2	86.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 400	86.2	86.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 300	86.2	86.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 200	86.2	86.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 100	86.2	86.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 0	86.2	86.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8

TOTAL NUMBER OF OBSERVATIONS

116

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

OCT
MONTH

12
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	48.4	48.4	48.4	48.4	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	50.0	50.0	50.0	50.0	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 18000	50.0	50.0	50.0	50.0	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 16000	50.8	50.8	50.8	50.8	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	54.0	54.0	54.0	54.0	54.8	54.8	54.8	54.8	54.8	55.7	55.7	55.7
≥ 12000	55.7	55.7	55.7	55.7	56.5	56.5	56.5	56.5	56.5	57.3	57.3	57.3
≥ 10000	58.9	59.7	59.7	59.7	61.3	61.3	61.3	61.3	61.3	62.1	62.1	62.1
≥ 9000	65.3	66.1	66.1	66.1	67.7	67.7	67.7	68.6	68.6	69.4	69.4	69.4
≥ 8000	72.6	73.4	73.4	73.4	75.0	75.0	75.0	75.8	75.8	77.4	77.4	77.4
≥ 7000	74.2	75.0	75.0	75.0	76.6	76.6	76.6	77.4	77.4	79.0	79.8	79.8
≥ 6000	75.0	75.8	75.8	75.8	77.4	77.4	77.4	78.2	78.2	79.8	80.7	80.7
≥ 5000	75.8	76.6	76.6	76.6	78.2	78.2	78.2	79.0	79.0	80.7	81.5	81.5
≥ 4500	75.8	76.6	76.6	76.6	78.2	78.2	78.2	79.0	79.0	80.7	81.5	81.5
≥ 4000	76.6	78.2	78.2	78.2	79.8	79.8	79.8	80.7	80.7	83.1	83.9	83.9
≥ 3500	79.0	81.5	81.5	81.5	83.1	83.1	83.1	83.9	83.9	86.3	87.1	87.1
≥ 3000	79.8	83.1	83.1	83.1	84.7	84.7	84.7	85.5	85.5	87.9	88.7	88.7
≥ 2500	80.7	83.9	83.9	83.9	85.5	85.5	85.5	86.3	86.3	88.7	89.5	89.5
≥ 2000	81.5	84.7	84.7	84.7	86.3	86.3	86.3	87.1	87.1	91.1	91.9	92.7
≥ 1800	81.5	84.7	84.7	84.7	86.3	86.3	86.3	87.1	87.1	91.1	91.9	92.7
≥ 1500	82.3	85.5	85.5	85.5	87.1	87.1	87.1	88.7	88.7	93.6	94.4	95.2
≥ 1200	82.3	85.5	85.5	85.5	87.1	87.1	87.1	88.7	88.7	93.6	94.4	95.2
≥ 1000	82.3	85.5	85.5	85.5	87.1	87.1	87.1	88.7	88.7	93.6	94.4	95.2
≥ 900	82.3	85.5	85.5	85.5	87.1	87.1	87.1	88.7	88.7	93.6	94.4	95.2
≥ 800	82.3	85.5	85.5	85.5	87.1	87.1	87.1	88.7	88.7	93.6	94.4	95.2
≥ 700	82.3	85.5	85.5	85.5	87.1	87.1	87.1	88.7	88.7	93.6	94.4	95.2
≥ 600	82.3	85.5	85.5	85.5	87.1	87.1	87.1	88.7	88.7	93.6	94.4	95.2
≥ 500	82.3	85.5	85.5	85.5	87.1	87.1	87.1	88.7	88.7	93.6	94.4	95.2
≥ 400	82.3	85.5	85.5	85.5	87.1	87.1	87.1	88.7	88.7	93.6	94.4	95.2
≥ 300	82.3	85.5	85.5	85.5	87.1	87.1	87.1	88.7	88.7	93.6	94.4	95.2
≥ 200	82.3	85.5	85.5	85.5	87.1	87.1	87.1	88.7	88.7	93.6	94.4	95.2
≥ 100	82.3	85.5	85.5	85.5	87.1	87.1	87.1	88.7	88.7	93.6	94.4	95.2
0	82.3	85.5	85.5	85.5	87.1	87.1	87.1	88.7	88.7	93.6	94.4	95.2

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601

MC MURDO STATION, ANTARCTICA

73-76

UCT

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15

HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 18000	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 10000	57.8	57.8	58.6	58.6	58.6	58.6	58.6	58.6	58.6	59.5	59.5
≥ 9000	65.5	65.5	66.4	66.4	66.4	66.4	66.4	66.4	66.4	67.2	67.2
≥ 8000	75.9	75.9	76.7	76.7	76.7	76.7	76.7	76.7	76.7	79.3	79.3
≥ 7000	78.5	78.5	79.3	79.3	79.3	79.3	80.2	80.2	81.9	82.8	82.8
≥ 6000	78.5	78.5	79.3	80.2	80.2	80.2	81.0	81.0	82.8	83.6	83.6
≥ 5000	79.3	79.3	80.2	81.0	81.0	81.0	82.8	82.8	84.5	85.3	85.3
≥ 4500	80.2	80.2	81.0	81.9	81.9	81.9	83.6	83.6	85.3	86.2	86.2
≥ 4000	81.0	81.0	82.8	83.6	83.6	83.6	85.3	85.3	87.1	87.9	87.9
≥ 3500	81.0	82.8	83.6	84.5	84.5	84.5	86.2	86.2	88.8	90.5	91.4
≥ 3000	81.9	83.6	84.5	85.3	85.3	85.3	87.1	87.1	89.7	91.4	92.2
≥ 2500	81.9	83.6	84.5	85.3	85.3	85.3	87.9	87.9	90.5	92.2	93.1
≥ 2000	81.9	83.6	84.5	85.3	85.3	85.3	89.7	89.7	92.2	94.0	94.8
≥ 1800	81.9	83.6	84.5	85.3	85.3	85.3	89.7	89.7	92.2	94.0	94.8
≥ 1500	82.8	84.5	85.3	86.2	86.2	86.2	90.5	90.5	93.1	94.8	95.7
≥ 1200	82.8	84.5	85.3	86.2	86.2	86.2	90.5	90.5	93.1	94.8	95.7
≥ 1000	83.6	85.3	86.2	87.1	87.1	87.1	91.4	91.4	94.8	96.6	96.6
≥ 900	83.6	85.3	86.2	87.1	87.1	87.1	91.4	91.4	94.8	96.6	96.6
≥ 800	83.6	85.3	86.2	87.1	87.1	87.1	91.4	91.4	94.8	96.6	96.6
≥ 700	83.6	85.3	86.2	87.1	87.1	87.1	91.4	91.4	94.8	96.6	96.6
≥ 600	83.6	85.3	86.2	87.1	87.1	87.1	91.4	91.4	94.8	96.6	96.6
≥ 500	83.6	85.3	86.2	87.1	87.1	87.1	91.4	91.4	94.8	96.6	96.6
≥ 400	83.6	85.3	86.2	87.1	87.1	87.1	91.4	91.4	94.8	96.6	96.6
≥ 300	83.6	85.3	86.2	87.1	87.1	87.1	91.4	91.4	94.8	96.6	96.6
≥ 200	83.6	85.3	86.2	87.1	87.1	87.1	91.4	91.4	94.8	96.6	96.6
≥ 100	83.6	85.3	86.2	87.1	87.1	87.1	91.4	91.4	94.8	96.6	96.6
0	83.6	85.3	86.2	87.1	87.1	87.1	91.4	91.4	94.8	96.6	96.6

TOTAL NUMBER OF OBSERVATIONS

116

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 18000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 16000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 14000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 9000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 7000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4500	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1200	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1000	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 900	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 800	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 700	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 600	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 500	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 400	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 300	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 200	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 100	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 20000	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 18000	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 16000	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 14000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 10000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 9000	61.2	61.2	62.9	62.9	62.9	62.9	62.9	63.8	63.8	63.8	63.8	63.8
≥ 8000	65.5	66.4	69.0	69.0	69.0	69.0	69.0	69.8	69.8	70.7	70.7	70.7
≥ 7000	72.4	73.3	75.9	75.9	75.9	75.9	75.9	76.7	76.7	77.6	77.6	77.6
≥ 6000	73.3	74.1	76.7	76.7	76.7	76.7	76.7	77.6	77.6	78.5	79.3	79.3
≥ 5000	75.9	76.7	80.2	80.2	80.2	80.2	80.2	81.0	81.0	81.9	82.8	82.8
≥ 4500	75.9	76.7	80.2	80.2	80.2	80.2	80.2	81.0	81.0	81.9	82.8	82.8
≥ 4000	76.7	78.5	81.9	81.9	81.9	81.9	81.9	82.8	82.8	83.6	84.5	84.5
≥ 3500	76.7	79.3	82.8	82.8	82.8	82.8	82.8	84.5	84.5	85.3	86.2	86.2
≥ 3000	80.2	82.8	87.1	87.1	87.1	87.1	87.1	89.7	89.7	90.5	91.4	92.2
≥ 2500	80.2	82.8	87.1	87.1	87.1	87.1	87.1	89.7	89.7	90.5	91.4	92.2
≥ 2000	81.9	84.5	88.8	88.8	88.8	88.8	88.8	91.4	92.2	93.1	94.0	94.0
≥ 1800	81.9	84.5	88.8	88.8	88.8	88.8	88.8	91.4	92.2	93.1	94.0	94.0
≥ 1500	81.9	84.5	88.8	88.8	88.8	88.8	88.8	91.4	92.2	93.1	94.0	94.0
≥ 1200	81.9	84.5	88.8	88.8	88.8	88.8	88.8	91.4	92.2	93.1	94.0	94.0
≥ 1000	82.8	85.3	89.7	89.7	89.7	89.7	89.7	92.2	93.1	94.0	95.7	95.7
≥ 900	82.8	85.3	89.7	89.7	89.7	89.7	89.7	92.2	93.1	94.0	95.7	95.7
≥ 800	82.8	85.3	89.7	89.7	89.7	89.7	89.7	92.2	93.1	94.0	95.7	95.7
≥ 700	82.8	85.3	89.7	89.7	89.7	89.7	89.7	92.2	93.1	94.0	95.7	95.7
≥ 600	82.8	85.3	89.7	89.7	89.7	89.7	89.7	92.2	93.1	94.0	95.7	95.7
≥ 500	82.8	85.3	89.7	89.7	89.7	89.7	89.7	92.2	93.1	94.0	95.7	95.7
≥ 400	82.8	85.3	89.7	89.7	89.7	89.7	89.7	92.2	93.1	94.0	95.7	95.7
≥ 300	82.8	85.3	89.7	89.7	89.7	89.7	89.7	92.2	93.1	94.0	95.7	95.7
≥ 200	82.8	85.3	89.7	89.7	89.7	89.7	89.7	92.2	93.1	94.0	95.7	95.7
≥ 100	82.8	85.3	89.7	89.7	89.7	89.7	89.7	92.2	93.1	94.0	95.7	95.7
0	82.8	85.3	89.7	89.7	89.7	89.7	89.7	92.2	93.1	94.0	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS 116

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

TEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	49.2	49.2	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.4
≥ 20000	49.8	49.8	49.8	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.1	50.1	50.2
≥ 18000	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.7
≥ 16000	50.8	50.8	50.8	50.8	50.9	50.9	51.0	51.0	51.0	51.0	51.1	51.1	51.2
≥ 14000	53.2	53.2	53.2	53.2	53.3	53.3	53.4	53.4	53.4	53.5	53.6	53.6	53.7
≥ 12000	55.0	55.0	55.0	55.0	55.1	55.1	55.2	55.2	55.2	55.4	55.5	55.5	55.6
≥ 10000	57.9	58.0	58.1	58.1	58.3	58.3	58.4	58.4	58.4	58.6	58.8	58.9	59.0
≥ 9000	63.8	63.9	64.3	64.3	64.7	64.7	64.8	65.1	65.1	65.5	65.7	65.9	66.0
8000	70.9	71.1	71.7	71.7	72.1	72.1	72.4	72.8	72.8	73.8	74.0	74.4	74.5
7000	74.1	74.4	75.1	75.1	75.4	75.4	75.7	76.1	76.1	77.3	77.6	77.9	78.1
6000	75.0	75.2	75.9	76.0	76.3	76.3	76.8	77.2	77.2	78.3	78.8	79.1	79.6
5000	77.2	77.4	78.3	78.4	78.8	78.8	79.4	79.8	79.8	81.0	81.5	82.1	82.4
4500	77.5	77.7	78.6	78.7	79.1	79.1	79.7	80.1	80.1	81.3	81.9	82.2	82.7
4000	78.5	79.1	80.1	80.2	80.7	80.7	81.2	81.7	81.7	83.0	83.6	84.2	84.5
3500	79.4	80.5	81.4	81.5	82.2	82.2	82.8	83.2	83.2	84.8	85.5	86.1	86.4
3000	81.5	82.8	84.2	84.3	85.1	85.1	86.0	86.4	86.4	88.0	88.8	89.6	89.9
2500	82.2	83.4	84.9	85.0	85.8	85.8	86.9	87.3	87.3	88.8	89.7	90.1	90.7
2000	82.8	84.1	85.6	85.7	86.7	86.7	88.3	88.8	88.8	90.5	91.4	92.1	92.7
1800	82.8	84.1	85.6	85.7	86.7	86.7	88.3	88.8	88.8	90.5	91.4	92.1	92.7
1500	83.3	84.6	86.3	86.6	87.6	87.6	89.4	89.9	89.9	91.8	92.7	93.4	94.1
1200	83.3	84.6	86.3	86.7	87.7	87.7	89.5	90.0	90.0	92.0	93.1	93.9	94.5
1000	83.5	84.8	86.8	87.1	88.2	88.2	90.2	90.8	90.8	92.9	94.1	95.2	96.0
900	83.5	84.8	86.8	87.1	88.2	88.2	90.3	90.9	90.9	93.0	94.7	96.3	97.2
800	83.5	84.8	86.8	87.1	88.2	88.2	90.3	90.9	90.9	93.1	94.9	96.7	97.7
700	83.5	84.8	86.8	87.1	88.2	88.2	90.3	90.9	90.9	93.1	94.9	96.9	98.1
600	83.5	84.8	86.8	87.1	88.2	88.2	90.3	90.9	90.9	93.1	94.9	97.0	98.2
500	83.5	84.8	86.8	87.1	88.2	88.2	90.4	91.0	91.0	93.2	95.0	97.1	98.6
400	83.5	84.8	86.8	87.1	88.2	88.2	90.4	91.0	91.0	93.2	95.0	97.3	99.0
300	83.5	84.8	86.8	87.1	88.2	88.2	90.4	91.0	91.0	93.2	95.0	97.4	99.2
200	83.5	84.8	86.8	87.1	88.2	88.2	90.4	91.0	91.0	93.2	95.0	97.4	99.3
100	83.5	84.8	86.8	87.1	88.2	88.2	90.4	91.0	91.0	93.2	95.0	97.4	99.6
0	83.5	84.8	86.8	87.1	88.2	88.2	90.4	91.0	91.0	93.2	95.0	97.4	99.0

959

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 20000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 16000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 14000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 12000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 10000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 9000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 8000	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 7000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 6000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4500	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	90.8	90.8	90.8	90.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500	92.5	92.5	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 300	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 200	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 100	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
0	93.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

120

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 18000	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 16000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 14000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 12000	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000	63.9	63.9	63.9	63.9	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 9000	68.1	68.1	68.1	68.1	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 8000	74.8	74.8	75.6	75.6	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	79.0	79.0	79.8	79.8	80.7	80.7	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 6000	79.0	79.0	79.8	79.8	80.7	80.7	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 5000	80.7	80.7	81.5	81.5	82.4	82.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	80.7	80.7	81.5	81.5	82.4	82.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000	82.4	82.4	83.2	83.2	84.0	84.0	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3500	84.0	84.0	84.9	84.9	85.7	85.7	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3000	88.2	88.2	89.1	89.1	89.9	89.9	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2500	90.8	90.8	91.6	91.6	92.4	92.4	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	90.8	90.8	91.6	91.6	92.4	92.4	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	90.8	90.8	91.6	91.6	92.4	92.4	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	91.6	91.6	92.4	92.4	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	91.6	91.6	92.4	92.4	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1000	91.6	91.6	92.4	92.4	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 900	91.6	91.6	92.4	92.4	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 800	91.6	91.6	92.4	92.4	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 700	91.6	91.6	92.4	92.4	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 600	91.6	91.6	92.4	92.4	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 500	91.6	91.6	92.4	92.4	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 400	91.6	91.6	92.4	92.4	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 300	91.6	91.6	92.4	92.4	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 200	91.6	91.6	92.4	92.4	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 100	91.6	91.6	92.4	92.4	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0	91.6	91.6	92.4	92.4	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1

TOTAL NUMBER OF OBSERVATIONS

119

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHCVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

NDV
MONTH

06
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	52.5	52.5	52.5	52.5	52.5	52.5	52.5	53.3	53.3	53.3	53.3	53.3
≥ 20000	52.5	52.5	52.5	52.5	52.5	52.5	52.5	53.3	53.3	53.3	53.3	53.3
≥ 18000	54.2	54.2	54.2	54.2	54.2	54.2	54.2	55.0	55.0	55.0	55.0	55.0
≥ 16000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.8	55.8	55.8	55.8	55.8
≥ 14000	56.7	56.7	56.7	56.7	57.5	57.5	57.5	58.3	58.3	58.3	58.3	58.3
≥ 12000	58.3	58.3	58.3	58.3	59.2	59.2	59.2	60.0	60.0	60.0	60.0	60.0
≥ 10000	61.7	61.7	61.7	61.7	63.3	63.3	63.3	64.2	64.2	64.2	64.2	64.2
≥ 9000	69.2	69.2	69.2	69.2	70.8	70.8	70.8	72.5	72.5	72.5	72.5	72.5
≥ 8000	75.0	75.0	75.0	75.0	76.7	76.7	76.7	78.3	78.3	78.3	78.3	78.3
≥ 7000	80.8	80.8	80.8	80.8	82.5	82.5	82.5	85.0	85.0	85.0	85.0	85.0
≥ 6000	82.5	82.5	82.5	82.5	84.2	84.2	84.2	86.7	86.7	86.7	86.7	86.7
≥ 5000	82.5	82.5	82.5	82.5	84.2	84.2	84.2	86.7	86.7	86.7	86.7	86.7
≥ 4500	83.3	83.3	83.3	83.3	85.0	85.0	85.0	87.5	87.5	87.5	87.5	87.5
≥ 4000	85.8	85.8	85.8	85.8	87.5	87.5	87.5	89.2	89.2	89.2	89.2	89.2
≥ 3500	88.3	88.3	88.3	88.3	90.0	90.0	90.0	91.7	91.7	91.7	91.7	91.7
≥ 3000	90.0	90.0	90.0	90.0	91.7	91.7	91.7	93.3	93.3	93.3	93.3	93.3
≥ 2500	90.8	90.8	90.8	90.8	92.5	92.5	92.5	94.2	94.2	94.2	94.2	94.2
≥ 2000	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0
≥ 1800	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0
≥ 1500	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0
≥ 1200	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0
≥ 1000	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0
≥ 900	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0
≥ 800	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0
≥ 700	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0
≥ 600	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0
≥ 500	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0
≥ 400	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0
≥ 300	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0
≥ 200	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0
≥ 100	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0
0	91.7	91.7	91.7	91.7	93.3	93.3	93.3	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS

120

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	53.3	53.3	53.3	53.3	53.3	53.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	53.3	53.3	53.3	53.3	53.3	53.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	55.8	55.8	55.8	55.8	55.8	55.8	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 16000	56.7	56.7	56.7	56.7	56.7	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000	59.2	59.2	59.2	59.2	59.2	59.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 12000	60.8	60.8	60.8	60.8	60.8	60.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 10000	65.8	65.8	65.8	65.8	65.8	65.8	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	66.7	66.7	66.7	66.7	66.7	66.7	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 8000	70.8	70.8	70.8	70.8	70.8	70.8	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 7000	77.5	77.5	77.5	77.5	77.5	77.5	78.3	78.3	78.3	79.2	79.2	79.2	79.2	79.2
≥ 6000	80.0	80.0	80.0	80.0	80.0	80.0	80.8	80.8	80.8	81.7	81.7	81.7	81.7	81.7
≥ 5000	81.7	81.7	81.7	81.7	81.7	81.7	82.5	82.5	82.5	83.3	83.3	83.3	83.3	83.3
≥ 4500	81.7	81.7	81.7	81.7	81.7	81.7	82.5	82.5	82.5	83.3	83.3	83.3	83.3	83.3
≥ 4000	83.3	83.3	83.3	83.3	83.3	83.3	84.2	84.2	84.2	85.0	85.0	85.0	85.0	85.0
≥ 3500	84.2	84.2	84.2	84.2	84.2	84.2	85.0	85.0	85.0	85.8	85.8	85.8	85.8	85.8
≥ 3000	85.8	85.8	85.8	85.8	85.8	85.8	86.7	86.7	86.7	87.5	87.5	87.5	87.5	87.5
≥ 2500	85.8	85.8	86.7	86.7	86.7	86.7	87.5	87.5	87.5	88.3	88.3	88.3	88.3	88.3
≥ 2000	90.0	90.0	90.8	90.8	90.8	90.8	92.5	92.5	92.5	93.3	93.3	93.3	93.3	93.3
≥ 1800	90.0	90.0	90.8	90.8	90.8	90.8	92.5	92.5	92.5	93.3	93.3	93.3	93.3	93.3
≥ 1500	90.8	90.8	91.7	91.7	91.7	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2
≥ 1200	90.8	90.8	91.7	91.7	91.7	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2
≥ 1000	91.7	91.7	92.5	92.5	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0
≥ 900	91.7	91.7	92.5	92.5	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0
≥ 800	91.7	91.7	92.5	92.5	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0
≥ 700	91.7	91.7	92.5	92.5	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0
≥ 600	91.7	91.7	92.5	92.5	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0
≥ 500	91.7	91.7	92.5	92.5	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0
≥ 400	91.7	91.7	92.5	92.5	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0
≥ 300	91.7	91.7	92.5	92.5	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0
≥ 200	91.7	91.7	92.5	92.5	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0
≥ 100	91.7	91.7	92.5	92.5	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0
0	91.7	91.7	92.5	92.5	92.5	92.5	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS

120

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

TEARS

NOV
MONTH

12
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	55.0	55.0	55.0	55.0	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	55.0	55.0	55.0	55.0	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 18000	57.5	57.5	57.5	57.5	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 16000	59.2	59.2	59.2	59.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	60.0	60.0	60.0	60.0	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 12000	63.3	63.3	64.2	64.2	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	65.0	65.0	65.8	65.8	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	68.3	68.3	69.2	69.2	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	71.7	71.7	72.5	72.5	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.2	74.2	74.2
≥ 7000	78.3	79.2	80.0	80.0	80.8	80.8	80.8	80.8	80.8	80.8	80.8	81.7	81.7	81.7
≥ 6000	79.2	80.0	80.8	80.8	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.5	82.5	82.5
≥ 5000	79.2	80.0	80.8	80.8	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.5	82.5	82.5
≥ 4500	79.2	80.0	80.8	80.8	81.7	81.7	81.7	81.7	81.7	81.7	81.7	82.5	82.5	82.5
≥ 4000	81.7	82.5	83.3	83.3	84.2	84.2	84.2	84.2	84.2	84.2	84.2	85.0	85.0	85.0
≥ 3500	83.3	84.2	85.0	85.0	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.7	86.7	86.7
≥ 3000	84.2	85.0	85.8	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.5	87.5	87.5
≥ 2500	84.2	85.0	85.8	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.5	87.5	87.5
≥ 2000	87.5	88.3	89.2	89.2	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.8	90.8	90.8
≥ 1800	87.5	88.3	89.2	89.2	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.8	90.8	90.8
≥ 1500	87.5	88.3	89.2	89.2	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.8	90.8	90.8
≥ 1200	87.5	88.3	89.2	89.2	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.8	90.8	90.8
≥ 1000	88.3	89.2	90.0	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.7	91.7	91.7
≥ 900	88.3	89.2	90.0	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.7	91.7	91.7
≥ 800	88.3	89.2	90.0	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.7	91.7	91.7
≥ 700	88.3	89.2	90.0	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.7	91.7	91.7
≥ 600	88.3	89.2	90.0	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.7	91.7	91.7
≥ 500	88.3	89.2	90.0	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.7	91.7	91.7
≥ 400	88.3	89.2	90.0	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.7	91.7	91.7
≥ 300	88.3	89.2	90.0	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.7	91.7	91.7
≥ 200	88.3	89.2	90.0	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.7	91.7	91.7
≥ 100	88.3	89.2	90.0	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.7	91.7	91.7
≥ 0	88.3	89.2	90.0	90.0	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.7	91.7	91.7

TOTAL NUMBER OF OBSERVATIONS

120

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEAR

NOV
MONTH

15

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 18000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 14000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 12000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 8000	76.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 7000	80.8	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 6000	80.8	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 5000	81.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	81.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	83.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	84.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3000	87.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	88.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	90.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1800	90.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1500	92.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	92.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	92.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	92.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800	92.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	92.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	92.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	92.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	92.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 300	92.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 200	92.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 100	92.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
0	92.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

120

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601

MC MURDO STATION, ANTARCTICA

73-76

NOV

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 20000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 18000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 16000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 12000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 10000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 9000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 7000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 6000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 5000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2500	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 300	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 200	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 100	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 0	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

120

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20000	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 18000	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 16000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 12000	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 10000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 9000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 8000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 7000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 6000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 5000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4500	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3000	89.2	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	90.0	90.8	90.8	90.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2000	91.7	92.5	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	91.7	92.5	92.5	92.5	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 300	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 200	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 100	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 0	91.7	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

120

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA

72-76

STATION NAME

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	52.6	52.6	52.6	52.6	52.7	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	53.3	53.3	53.3	53.3	53.4	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	56.0	56.0	56.0	56.0	56.1	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3
≥ 16000	57.1	57.1	57.1	57.1	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000	59.2	59.2	59.2	59.2	59.4	59.4	59.5	59.7	59.7	59.7	59.7	59.7	59.7
≥ 12000	60.8	60.8	60.9	60.9	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4
≥ 10000	65.1	65.2	65.3	65.3	65.7	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9
≥ 9000	69.3	69.5	69.6	69.6	70.0	70.0	70.3	70.4	70.4	70.4	70.5	70.5	70.5
≥ 8000	74.8	75.0	75.2	75.2	75.6	75.6	75.9	76.0	76.0	76.0	76.1	76.1	76.1
≥ 7000	80.1	80.4	80.6	80.6	81.0	81.0	81.4	81.5	81.5	81.8	81.9	81.9	82.0
≥ 6000	81.2	81.5	81.8	81.8	82.2	82.2	82.6	82.7	82.7	83.0	83.1	83.1	83.2
≥ 5000	82.6	82.9	83.1	83.1	83.5	83.5	83.9	84.1	84.1	84.4	84.5	84.5	84.6
≥ 4500	82.6	82.9	83.1	83.1	83.5	83.5	83.9	84.1	84.1	84.4	84.5	84.5	84.6
≥ 4000	84.2	84.5	84.7	84.7	85.1	85.1	85.5	85.6	85.6	86.0	86.1	86.1	86.2
≥ 3500	85.9	86.2	86.4	86.4	86.9	86.9	87.3	87.4	87.4	87.8	87.9	87.9	88.1
≥ 3000	88.3	88.7	89.0	89.0	89.6	89.6	90.1	90.2	90.2	90.6	90.7	90.7	90.9
≥ 2500	89.3	89.7	90.0	90.0	90.6	90.6	91.1	91.2	91.2	91.7	91.8	91.8	92.0
≥ 2000	91.0	91.5	91.9	91.9	92.5	92.5	93.1	93.2	93.2	93.6	93.7	93.7	94.0
≥ 1800	91.0	91.5	91.9	91.9	92.5	92.5	93.1	93.2	93.2	93.6	93.7	93.7	94.0
≥ 1500	91.6	92.1	92.6	92.6	93.3	93.3	94.0	94.3	94.3	94.9	95.0	95.0	95.3
≥ 1200	91.6	92.1	92.6	92.6	93.3	93.3	94.0	94.3	94.3	94.9	95.0	95.0	95.3
≥ 1000	91.8	92.3	92.8	92.8	93.5	93.5	94.3	94.6	94.6	95.6	96.1	96.6	97.2
≥ 900	91.8	92.3	92.8	92.8	93.5	93.5	94.3	94.7	94.7	95.8	96.5	97.0	97.6
≥ 800	91.8	92.3	92.8	92.8	93.5	93.5	94.3	94.7	94.7	95.9	96.8	97.5	98.3
≥ 700	91.8	92.3	92.8	92.8	93.5	93.5	94.3	94.7	94.7	95.9	96.8	97.6	98.5
≥ 600	91.8	92.3	92.8	92.8	93.5	93.5	94.3	94.7	94.7	95.9	96.8	97.6	98.6
≥ 500	91.8	92.3	92.8	92.8	93.5	93.5	94.3	94.7	94.7	95.9	96.9	97.7	99.1
≥ 400	91.8	92.3	92.8	92.8	93.5	93.5	94.3	94.7	94.7	95.9	96.9	97.7	99.1
≥ 300	91.8	92.3	92.8	92.8	93.5	93.5	94.3	94.7	94.7	95.9	96.9	97.7	99.3
≥ 200	91.8	92.3	92.8	92.8	93.5	93.5	94.3	94.7	94.7	95.9	96.9	97.7	99.5
≥ 100	91.8	92.3	92.8	92.8	93.5	93.5	94.3	94.7	94.7	95.9	96.9	97.7	99.6
0	91.8	92.3	92.8	92.8	93.5	93.5	94.3	94.7	94.7	95.9	96.9	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS

959

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	50.0	50.0
≥ 20000	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	50.0	50.0
≥ 18000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	52.4	52.4
≥ 16000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	54.0	54.0
≥ 14000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	56.5	56.5
≥ 12000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.1	58.1
≥ 10000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.5	60.5
≥ 9000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.7	63.7
≥ 8000	72.6	72.6	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	74.2	74.2
≥ 7000	76.6	76.6	77.4	77.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	79.0	79.0
≥ 6000	78.2	78.2	79.0	79.0	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	80.7	80.7
≥ 5000	80.7	80.7	81.5	81.5	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	83.1	83.1
≥ 4500	80.7	80.7	81.5	81.5	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	83.1	83.1
≥ 4000	83.1	83.1	83.9	83.9	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	86.3	86.3
≥ 3500	83.1	83.1	83.9	83.9	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	86.3	86.3
≥ 3000	83.9	83.9	85.5	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.9	87.9
≥ 2500	84.7	84.7	86.3	86.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.7	88.7
≥ 2000	87.1	87.1	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.9	91.9
≥ 1800	87.1	87.1	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.9	91.9
≥ 1500	87.9	87.9	90.3	90.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.7	92.7
≥ 1200	87.9	87.9	90.3	90.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.7	92.7
≥ 1000	90.3	90.3	92.7	93.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	97.6	97.6
≥ 900	90.3	90.3	92.7	93.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	98.4	98.4
≥ 800	90.3	90.3	92.7	93.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	99.2	99.2
≥ 700	90.3	90.3	92.7	93.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	99.2	99.2
≥ 600	90.3	90.3	92.7	93.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	99.2	99.2
≥ 500	91.1	91.1	93.6	94.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	100.0	100.0
≥ 400	91.1	91.1	93.6	94.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	100.0	100.0
≥ 300	91.1	91.1	93.6	94.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	100.0	100.0
≥ 200	91.1	91.1	93.6	94.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	100.0	100.0
≥ 100	91.1	91.1	93.6	94.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	100.0	100.0
0	91.1	91.1	93.6	94.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

124

122

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 18000	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 16000	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 14000	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 12000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	57.7	57.7	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 9000	61.0	61.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 8000	66.7	66.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 7000	70.7	70.7	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 6000	75.6	75.6	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 5000	75.6	75.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	75.6	75.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	78.1	78.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3500	79.7	79.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3000	80.5	80.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 2500	82.1	82.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2000	84.6	84.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1800	84.6	84.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1500	85.4	85.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1200	85.4	85.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1000	87.0	87.0	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	87.0	87.0	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	87.8	87.8	92.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 700	87.8	87.8	92.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 600	87.8	87.8	92.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 500	88.6	88.6	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 400	88.6	88.6	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 300	88.6	88.6	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 200	88.6	88.6	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 100	88.6	88.6	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 0	88.6	88.6	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3

TOTAL NUMBER OF OBSERVATIONS

123

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601

MC MURDO STATION, ANTARCTICA

73-76

YEARS

DEC

STATION NAME

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 18000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 12000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	57.3	57.3	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	61.3	61.3	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 8000	69.4	69.4	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000	72.6	72.6	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 6000	75.0	75.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	76.6	76.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 4500	76.6	76.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 4000	79.0	79.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	79.8	79.8	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 3000	81.5	81.5	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	83.1	83.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	87.1	87.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	87.1	87.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	87.9	87.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1200	87.9	87.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1000	91.1	91.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 900	91.1	91.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800	91.1	91.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 700	91.1	91.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 600	92.7	92.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	92.7	92.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 400	92.7	92.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300	92.7	92.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 200	92.7	92.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 100	92.7	92.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
0	92.7	92.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

TEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	48.0	48.0
≥ 20000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	48.0	48.0
≥ 18000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.8	48.8
≥ 16000	48.8	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	50.4	50.4
≥ 14000	55.3	56.1	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.7	57.7
≥ 12000	56.1	56.9	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.5	58.5
≥ 10000	61.8	62.6	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	64.2	64.2
≥ 9000	64.2	65.0	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.7	66.7
≥ 8000	72.4	73.2	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.8	74.8
≥ 7000	74.0	74.8	75.6	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	77.2	77.2
≥ 6000	75.6	76.4	77.2	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	79.7	79.7
≥ 5000	78.9	79.7	80.5	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	82.9	82.9
≥ 4500	79.7	80.5	81.3	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	83.7	83.7
≥ 4000	82.1	83.7	84.6	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	87.0	87.0
≥ 3500	82.9	84.6	85.4	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	87.8	87.8
≥ 3000	82.9	84.6	85.4	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	87.8	87.8
≥ 2500	84.6	86.2	87.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	89.4	89.4
≥ 2000	85.4	87.0	87.8	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	90.2	90.2
≥ 1800	85.4	87.0	87.8	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	90.2	90.2
≥ 1500	87.8	89.4	90.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	93.5	93.5
≥ 1200	88.6	90.2	91.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	94.3	94.3
≥ 1000	90.2	91.9	92.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	95.9	95.9
≥ 900	90.2	91.9	92.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	96.8	96.8
≥ 800	91.1	92.7	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	98.4	98.4
≥ 700	91.1	92.7	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	99.2	99.2
≥ 600	91.1	93.5	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	100.0	100.0
≥ 500	91.1	93.5	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	100.0	100.0
≥ 400	91.1	93.5	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	100.0	100.0
≥ 300	91.1	93.5	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	100.0	100.0
≥ 200	91.1	93.5	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	100.0	100.0
≥ 100	91.1	93.5	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	100.0	100.0
0	91.1	93.5	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

123

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	49.2	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	49.2	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	51.6	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 16000	52.4	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000	57.3	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000	59.7	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 10000	61.3	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 9000	66.1	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 8000	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 7000	77.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 6000	78.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 5000	82.3	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4500	82.3	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4000	83.1	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500	83.1	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	83.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	83.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	87.9	88.7	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1800	87.9	88.7	88.7	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1500	91.9	92.7	92.7	93.6	94.4	94.4	94.4	94.4	94.4	95.2	95.2	95.2
≥ 1200	91.9	92.7	92.7	93.6	95.2	95.2	95.2	95.2	95.2	96.0	96.0	96.0
≥ 1000	91.9	92.7	92.7	93.6	95.2	95.2	95.2	95.2	95.2	96.8	96.8	96.8
≥ 900	93.6	94.4	94.4	95.2	96.8	96.8	96.8	96.8	96.8	99.2	99.2	99.2
≥ 800	93.6	94.4	94.4	95.2	96.8	96.8	96.8	96.8	96.8	99.2	99.2	99.2
≥ 700	93.6	94.4	94.4	95.2	96.8	96.8	96.8	96.8	96.8	99.2	99.2	99.2
≥ 600	93.6	94.4	94.4	95.2	96.8	96.8	96.8	96.8	96.8	99.2	99.2	99.2
≥ 500	93.6	94.4	94.4	95.2	96.8	96.8	96.8	96.8	96.8	99.2	99.2	99.2
≥ 400	93.6	94.4	94.4	95.2	96.8	96.8	96.8	96.8	96.8	99.2	99.2	99.2
≥ 300	93.6	94.4	94.4	95.2	96.8	96.8	96.8	96.8	96.8	99.2	99.2	99.2
≥ 200	93.6	94.4	94.4	95.2	96.8	96.8	96.8	96.8	96.8	99.2	99.2	99.2
≥ 100	93.6	94.4	94.4	95.2	96.8	96.8	96.8	96.8	96.8	99.2	99.2	99.2
0	93.6	94.4	94.4	95.2	96.8	96.8	96.8	96.8	96.8	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

124

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	52.9	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	53.7	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 18000	54.5	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	56.9	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	61.8	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 12000	62.6	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 10000	67.5	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000	71.5	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 8000	76.4	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 7000	81.3	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 6000	83.7	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 5000	85.4	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 4500	85.4	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 4000	87.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3000	90.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	93.5	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2000	93.5	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1800	94.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1500	94.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	94.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	95.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	95.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	95.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	95.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	95.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	95.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	95.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	95.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	95.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	95.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 0	95.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

123

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 18000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 12000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000	74.2	74.2	74.2	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 7000	79.0	79.0	79.0	79.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	81.5	81.5	81.5	81.5	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 5000	83.1	83.1	83.1	83.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	83.1	83.1	83.1	83.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000	85.5	85.5	85.5	85.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 3500	86.3	86.3	86.3	86.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	88.7	88.7	88.7	88.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	88.7	88.7	88.7	88.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2000	91.1	91.1	91.1	91.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	91.1	91.1	91.1	91.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	91.9	91.9	91.9	91.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	91.9	91.9	91.9	91.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	92.7	92.7	92.7	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	92.7	92.7	92.7	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	92.7	92.7	92.7	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	92.7	92.7	92.7	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	92.7	92.7	92.7	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	92.7	92.7	92.7	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	92.7	92.7	92.7	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	92.7	92.7	92.7	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	92.7	92.7	92.7	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	92.7	92.7	92.7	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 0	92.7	92.7	92.7	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 14000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 9000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 8000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 7000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 6000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 5000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 4500	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 4000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3500	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1800	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1500	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 800	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 700	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 600	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 500	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 400	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 300	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 200	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 100	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS

122

CEILING VERSUS VISIBILITY

87601
STATION

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.1	50.1
≥ 20000	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.3	50.3
≥ 18000	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.2
≥ 16000	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.4	53.4
≥ 14000	56.0	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.6	56.6
≥ 12000	57.8	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.4	58.4
≥ 10000	62.5	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.3	63.3
≥ 9000	66.3	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.1	67.1
≥ 8000	73.4	73.7	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5
≥ 7000	77.0	77.3	77.8	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4	78.4
≥ 6000	79.1	79.4	80.0	80.1	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.8	80.8
≥ 5000	81.2	81.5	82.2	82.3	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	83.0	83.0
≥ 4500	81.3	81.6	82.3	82.4	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	83.1	83.1
≥ 4000	83.1	83.5	84.2	84.3	84.8	84.8	85.1	85.1	85.1	85.2	85.2	85.2	85.4	85.4
≥ 3500	83.8	84.2	84.9	85.0	85.5	85.5	85.8	85.8	85.8	85.9	85.9	85.9	86.1	86.1
≥ 3000	84.9	85.3	86.1	86.2	86.7	86.7	87.0	87.0	87.0	87.2	87.2	87.2	87.4	87.4
≥ 2500	85.8	86.2	87.1	87.2	87.7	87.7	88.0	88.0	88.0	88.3	88.3	88.3	88.5	88.5
≥ 2000	88.8	89.3	90.3	90.4	91.1	91.1	91.6	91.6	91.6	91.8	91.8	91.8	92.0	92.0
≥ 1800	88.8	89.3	90.3	90.4	91.1	91.1	91.6	91.6	91.6	91.8	91.8	91.8	92.0	92.0
≥ 1500	90.2	90.8	91.8	92.1	92.8	92.8	93.3	93.3	93.3	93.8	93.8	93.8	94.0	94.0
≥ 1200	90.3	90.9	91.9	92.2	93.0	93.0	93.5	93.5	93.5	94.0	94.0	94.0	94.2	94.2
≥ 1000	91.7	92.3	93.6	94.1	94.9	94.9	95.4	95.4	95.4	96.6	96.6	96.7	96.9	96.9
≥ 900	91.9	92.5	93.9	94.4	95.3	95.3	95.9	95.9	95.9	97.1	97.4	97.4	97.6	97.6
≥ 800	92.1	92.7	94.1	94.6	95.5	95.5	96.1	96.1	96.1	97.4	97.9	98.1	98.5	98.5
≥ 700	92.1	92.7	94.1	94.6	95.5	95.5	96.1	96.1	96.1	97.5	98.0	98.3	98.9	98.9
≥ 600	92.2	93.0	94.4	94.9	95.9	95.9	96.4	96.4	96.4	97.8	98.3	98.6	99.2	99.2
≥ 500	92.6	93.3	94.7	95.2	96.2	96.2	96.7	96.7	96.7	98.1	98.6	98.9	99.5	99.5
≥ 400	92.6	93.3	94.7	95.2	96.2	96.2	96.7	96.7	96.7	98.1	98.6	98.9	99.5	99.5
≥ 300	92.6	93.3	94.7	95.2	96.2	96.2	96.7	96.7	96.7	98.1	98.6	98.9	99.5	99.5
≥ 200	92.6	93.3	94.7	95.2	96.2	96.2	96.7	96.7	96.7	98.2	98.7	99.0	99.7	99.7
≥ 100	92.6	93.3	94.7	95.2	96.2	96.2	96.7	96.7	96.7	98.2	98.7	99.0	99.7	99.7
0	92.6	93.3	94.7	95.2	96.2	96.2	96.7	96.7	96.7	98.2	98.7	99.0	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

987

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-77

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.3	47.0	47.2	47.3	47.5	47.5	47.7	47.8	47.8	47.9	48.0	48.0	48.1	48.1	48.1
≥ 20000	47.0	47.6	47.9	47.9	48.2	48.2	48.4	48.5	48.5	48.6	48.7	48.7	48.8	48.8	48.8
≥ 18000	48.2	48.8	49.1	49.1	49.4	49.4	49.6	49.6	49.6	49.8	49.9	49.9	50.0	50.0	50.0
≥ 16000	49.2	49.9	50.2	50.2	50.5	50.5	50.7	50.8	50.8	50.9	51.0	51.0	51.1	51.1	51.2
≥ 14000	51.4	52.1	52.4	52.4	52.7	52.7	53.0	53.0	53.0	53.2	53.3	53.3	53.4	53.4	53.4
≥ 12000	52.8	53.5	53.9	53.9	54.2	54.2	54.5	54.5	54.5	54.7	54.8	54.8	54.9	54.9	54.9
≥ 10000	55.9	56.8	57.2	57.2	57.6	57.6	57.8	57.9	57.9	58.1	58.2	58.2	58.3	58.4	58.4
≥ 9000	59.6	60.5	61.0	61.0	61.4	61.4	61.7	61.7	61.7	62.0	62.1	62.2	62.3	62.3	62.3
≥ 8000	66.5	67.8	68.5	68.5	68.9	68.9	69.3	69.4	69.4	69.8	69.9	69.9	70.1	70.1	70.1
≥ 7000	70.2	71.8	72.5	72.6	73.0	73.0	73.5	73.6	73.6	74.1	74.2	74.3	74.4	74.5	74.5
≥ 6000	72.0	73.7	74.5	74.6	75.1	75.1	75.7	75.8	75.8	76.3	76.4	76.5	76.7	76.8	76.8
≥ 5000	73.6	75.6	76.5	76.6	77.3	77.3	77.9	78.0	78.0	78.7	78.9	78.9	79.1	79.2	79.3
≥ 4500	73.7	75.7	76.5	76.8	77.4	77.4	78.0	78.2	78.2	78.9	79.0	79.1	79.3	79.4	79.4
≥ 4000	75.3	77.5	78.5	78.6	79.4	79.4	80.1	80.2	80.2	81.0	81.1	81.2	81.4	81.5	81.6
≥ 3500	76.3	78.6	79.6	79.7	80.5	80.5	81.2	81.3	81.3	82.1	82.3	82.4	82.6	82.7	82.8
≥ 3000	78.6	81.0	82.3	82.4	83.3	83.3	84.2	84.3	84.3	85.2	85.4	85.5	85.7	85.8	85.9
≥ 2500	79.5	81.9	83.3	83.4	84.3	84.4	85.2	85.4	85.4	86.2	86.4	86.6	86.8	86.9	86.9
≥ 2000	81.7	84.1	85.8	85.9	87.1	87.1	88.3	88.4	88.4	89.4	89.7	89.9	90.1	90.2	90.3
≥ 1800	81.7	84.1	85.8	85.9	87.1	87.1	88.3	88.4	88.4	89.4	89.7	89.9	90.1	90.2	90.3
≥ 1500	82.7	85.3	87.1	87.3	88.6	88.7	90.0	90.2	90.2	91.4	91.7	91.9	92.2	92.3	92.5
≥ 1200	82.8	85.4	87.2	87.4	88.7	88.8	90.1	90.3	90.3	91.6	91.9	92.2	92.4	92.6	92.7
≥ 1000	83.4	86.1	88.1	88.5	90.0	90.0	91.6	92.0	92.0	93.6	94.2	94.6	95.3	95.5	95.6
≥ 900	83.5	86.2	88.2	88.5	90.1	90.1	91.8	92.1	92.2	93.9	94.6	95.1	95.8	96.0	96.1
≥ 800	83.6	86.3	88.4	88.7	90.2	90.3	92.0	92.3	92.3	94.2	95.1	95.7	96.6	96.8	97.0
≥ 700	83.7	86.3	88.4	88.8	90.3	90.4	92.0	92.4	92.4	94.3	95.2	95.9	97.0	97.3	97.6
≥ 600	83.7	86.4	88.5	88.8	90.4	90.5	92.1	92.5	92.5	94.5	95.4	96.1	97.3	97.6	98.1
≥ 500	83.8	86.5	88.6	88.9	90.5	90.5	92.2	92.6	92.6	94.6	95.5	96.3	97.7	98.1	98.4
≥ 400	83.8	86.5	88.6	89.0	90.5	90.6	92.2	92.6	92.6	94.6	95.6	96.4	97.8	98.3	98.6
≥ 300	83.8	86.5	88.6	89.0	90.5	90.6	92.3	92.6	92.6	94.6	95.6	96.4	97.9	98.4	98.7
≥ 200	83.8	86.5	88.6	89.0	90.5	90.6	92.3	92.6	92.6	94.7	95.6	96.4	98.0	98.5	98.9
≥ 100	83.8	86.5	88.6	89.0	90.5	90.6	92.3	92.6	92.6	94.7	95.6	96.4	98.0	98.5	99.0
0	83.8	86.5	88.6	89.0	90.5	90.6	92.3	92.6	92.6	94.7	95.7	96.5	98.0	98.5	99.1

TOTAL NUMBER OF OBSERVATIONS 8658

STATION	STATION NAME	PERIOD	MONTH
87601	MC MURDO STATION, ANTARCTICA	73-77	JAN

MONTH
JAN

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00	8.4	10.3	4.5	3.9	5.8	2.6	5.8	6.5	9.0	18.1	25.2	6.3	155
	03	11.6	8.4	3.2	5.2	4.5	3.9	8.4	5.8	12.3	11.0	25.8	6.1	155
	06	10.3	7.7	5.2	5.8	3.2	3.2	5.8	7.1	9.0	15.5	27.1	6.3	155
	09	9.7	6.5	8.4	4.5	4.5	1.9	3.9	9.7	9.7	9.7	31.6	6.4	155
	12	8.4	9.7	8.4	4.5	5.2	1.3	6.5	6.5	9.0	14.8	25.8	6.1	155
	15	7.7	11.6	7.1	3.9	5.8	3.9	3.2	3.9	11.6	12.9	28.4	6.2	155
	18	6.5	10.3	11.0	5.2	2.6	2.6	3.2	7.7	8.4	14.8	27.7	6.2	155
	21	5.8	11.0	8.4	5.8	4.5	3.9	5.2	3.9	7.1	20.0	24.5	6.2	155
TOTALS		8.6	9.4	7.0	4.9	4.5	2.9	5.3	6.4	9.5	14.6	27.0	6.2	1240

12 12 13 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5704 SKY COVER JAN 68

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00	2.7	3.6	5.4	3.6	2.7	2.7	7.1	1.8	10.7	20.5	39.3	7.7	112
	03	5.1	2.6	5.1	1.3		5.1	6.4	6.4	19.2	15.4	32.3	7.5	78
	06	5.3	1.8	3.5	.9	4.4	2.7	5.3	8.8	12.4	23.0	31.9	7.6	113
	09	6.5	5.2		1.3	1.3	1.3	5.2	9.1	7.8	27.3	35.1	7.7	77
	12	5.3	4.4	2.7	2.7	1.8	.9	3.5	6.2	11.5	16.8	44.2	7.8	113
	15	6.5	2.6	9.1	3.9	1.3		2.6	3.9	9.1	14.3	46.8	7.5	77
	18	6.2	3.5	3.5	3.5	.9	1.8	3.5	2.7	8.0	16.8	49.6	7.8	113
	21	2.6	7.8	1.3	7.8	3.9	1.3	2.6	5.2	5.2	23.4	39.0	7.5	77
TOTALS		5.0	3.9	3.8	3.1	2.0	2.0	4.5	5.5	10.5	19.7	39.9	7.6	760

MAR
MONTH

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

NAVWEASERVCOM

APR
MONTH

73-76

ON, ANTARCTICA
STATION NAME

27601
STATION

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00	33.3	10.0	8.3	4.2	2.5	2.5	2.5	3.3	.8	1.7	30.8	4.3	120
	03													
	06	25.0	5.8	5.8	5.8	4.2	3.3	3.3	6.7	4.2	4.2	29.2	5.1	120
	09													
	12	10.8	2.5	10.8	4.2	5.0	3.3	3.3	2.5	7.5	9.2	44.2	6.8	120
	15													
	18	13.3	6.7	10.0	5.0	10.0	2.5	2.5	5.0	8.3	10.0	26.7	5.7	120
	21													
TOTALS		20.6	6.3	8.7	4.8	5.4	2.7	2.9	4.4	5.2	6.3	12.7	5.5	480

STATION

73-76

PERIOD

MAY
MONTH

5704 SKY COVER JAN 68

TOTALS

JUN
MONTH

PERIOD

5704 SKY COVER JAN 68

STATION	STATION NAME	PERIOD	JUL	MONTH
87601	MC MURDO STATION, ANTARCTICA	73-76		

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00	34.7	2.4	4.0	8.1	2.4	4.8	4.0	3.2	3.2		33.1	4.7	124
	03													
	06	33.1	.8	4.0	4.0	4.0	1.6	4.8	4.0	6.5	2.4	34.7	5.2	124
	09													
	12	26.6	3.2	4.8	8.9	4.8	2.4	2.4	4.8	4.0	1.6	36.3	5.3	124
	15													
	18	37.1	1.6	1.6	8.9	1.6	2.4	3.2	4.0	4.8	2.4	32.3	4.8	124
	21													
TOTALS		32.9	2.0	3.6	7.5	3.2	2.8	3.6	4.0	4.6	1.6	34.1	5.0	496

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

PERIOD

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00	35.5	2.4	4.0	2.4	2.4	2.4	.8	4.8	5.6		39.5	5.2	124
	03	50.0			33.3							16.7	2.7	6
	06	35.8	4.1	8.9	.8	4.1	2.4	.8	5.7	4.1	1.6	31.7	4.6	123
	09	20.0	10.0			10.0	10.0				20.0	30.0	5.8	10
	12	17.7	5.6	7.3	4.8	2.4	3.2	2.4	6.5	8.9	6.5	34.7	6.0	124
	15	8.3	8.3	16.7	8.3		8.3		16.7	8.3	16.7	6.3	5.3	12
	18	23.4	7.3	4.8	5.6	4.8	3.2	2.4	3.2	4.8	6.5	33.9	5.4	124
	21	33.3		8.3	25.0							33.3	4.3	12
TOTALS		28.0	4.7	6.3	10.0	3.0	3.7	.6	4.6	4.0	6.4	28.5	4.9	535

STATION
37601

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

PERIOD

SUP

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00	20.8	6.7	7.5	7.5	5.8	.8	1.7	4.2	4.2	5.8	35.0	5.5	120
	03	25.4	16.9	7.0	5.6	1.4	1.4	1.4	2.8	7.0		31.0	4.5	71
	06	15.8	10.0	5.8	5.0	.8	1.7	6.7	5.6	4.2	3.3	40.8	6.0	120
	09	12.2	10.8	4.1	5.4	2.7	5.4	6.8	5.4	10.8	6.8	29.7	6.0	74
	12	13.3	5.8	3.3	5.0	5.8	3.3		9.2	7.5	5.8	40.8	6.5	120
	15	18.1	4.2	4.2	6.9	8.3	1.4	5.6	4.2	12.5	2.8	31.9	5.8	72
	18	10.8	4.2	8.3	6.7	3.3	1.7	4.2	9.2	4.2	10.8	36.7	6.5	120
	21	20.5	6.8	12.3	6.8	2.7		6.8	2.7	4.1	5.5	31.5	5.2	73
TOTALS		17.1	8.2	6.6	6.1	3.9	2.0	4.2	5.4	6.8	5.1	34.7	5.8	770

SKY COVER

87601 STATION MC MURDO STATION, ANTARCTICA 73-76 PERIOD OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00	21.8	9.7	3.2	3.2	4.0	5.6	.8	5.6	5.6	12.9	27.4	5.5	124
	03	24.3	7.8	1.7	6.1	2.6	2.6	3.5	1.7	7.0	20.0	22.6	5.5	115
	06	22.6	4.0	3.2	4.8	1.6	4.8	3.2	7.3	10.5	13.7	24.2	5.8	124
	09	23.3	6.0	1.7	3.4	2.6	4.3	3.4	11.2	6.9	12.9	24.1	5.6	116
	12	21.8	7.3	3.2	3.2	.8	5.6	.8	8.9	10.5	13.7	24.2	5.7	124
	15	23.3	6.0	3.4	3.4	3.4	.9	1.7	6.9	10.3	18.1	22.4	5.7	116
	18	20.2	6.5	2.4	3.2	2.4	4.0	2.4	9.7	9.7	16.9	22.6	5.9	124
	21	21.6	6.9	5.2	4.3	3.4	3.4	3.4	6.9	6.9	13.8	24.1	5.5	116
TOTALS		22.4	6.8	3.0	4.0	2.6	3.9	2.4	7.3	8.4	15.3	24.0	5.7	959

MONTH
NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00	14.2	10.8	5.0	3.3	.8	5.0	2.5	6.7	10.8	17.5	23.3	6.0	120
	03	16.8	10.1	6.7	2.5	3.4	3.4	2.5	7.6	9.2	12.6	25.2	5.7	119
	06	15.0	8.3	6.7	6.7	5.0	5.0	1.7	5.0	10.8	9.2	26.7	5.7	120
	09	14.2	13.3	7.5	3.3	3.3	3.3	4.2	5.8	5.0	15.0	25.0	5.6	120
	12	15.0	12.5	5.0	4.2	3.3	2.5	7.5	8.3	7.5	11.7	22.5	5.5	120
	15	16.7	10.8	9.2	5.8	2.5	1.7	5.8	9.2	9.2	6.3	20.6	5.2	120
	18	13.3	10.8	6.7	4.2	1.7	8.3	4.2	8.3	7.5	13.3	21.7	5.7	120
	21	9.2	11.7	7.5	.8	3.3	5.8	6.7	3.3	7.5	22.5	21.7	6.1	120
TOTALS		14.2	11.0	6.8	3.9	2.9	4.4	4.4	6.8	8.4	13.8	21.4	5.7	959

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00	5.6	10.5	10.5	6.5	2.4	4.0	4.8	4.8	12.9	12.1	25.8	6.1	124
	03	8.1	8.9	6.5	6.5	4.9	2.4	4.9	5.7	6.5	21.1	24.4	6.3	123
	06	7.3	8.9	3.2	7.3	4.0	5.6	4.0	5.6	4.0	17.7	32.3	6.6	124
	09	11.4	9.8	7.3	1.6	4.1	3.3	4.9	8.1	3.3	15.4	30.9	6.2	123
	12	12.9	6.5	5.6	8.1	2.4	4.0	7.3	4.0	7.3	18.5	23.4	6.0	124
	15	11.4	8.9	4.9	7.3	5.7	4.9	2.4	2.4	11.4	15.4	25.2	6.0	123
	18	12.1	6.5	4.8	7.3	5.6	5.6	4.8	4.8	6.5	15.3	26.6	6.1	124
	21	6.6	8.2	9.0	4.9	5.7	5.7	7.4	4.9	7.4	16.4	23.8	6.2	122
TOTALS		9.4	8.5	6.5	6.2	4.4	4.4	5.1	5.0	7.4	16.5	26.6	6.2	987

SKY COVER

87601 MC MURDO STATION, ANTARCTICA 73-77 ALL NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
JAN	ALL	8.6	9.4	7.0	4.9	4.5	2.9	5.3	6.4	9.5	14.6	27.0	6.2 1240
FEB		5.0	3.9	3.8	3.1	2.0	2.0	4.5	5.5	10.5	19.7	39.9	7.6 760
MAR		5.8	5.2	3.4	5.4	2.8	2.8	4.0	6.5	9.1	11.1	43.8	7.4 496
APR		20.6	6.3	8.7	4.8	5.4	2.7	2.9	4.4	5.2	6.3	32.7	5.5 480
MAY		13.8	1.1	15.5	2.2	1.6	14.4	1.6	1.2	2.8	26.6	19.1	5.9 500
JUN		35.0	2.3	3.2	4.0	4.0	1.3	2.8	4.6	4.6	1.5	36.9	5.1 477
JUL		32.9	2.0	3.6	7.5	3.2	2.8	3.6	4.0	4.6	1.6	34.1	5.0 496
AUG		28.0	4.7	6.3	10.0	3.0	3.7	.8	4.6	4.0	6.4	28.5	4.9 535
SEP		17.1	8.2	6.6	6.1	3.9	2.0	4.2	5.4	6.8	5.1	34.7	5.8 770
OCT		22.4	6.8	3.0	4.0	2.6	3.9	2.4	7.3	8.4	15.3	24.0	5.7 959
NOV		14.3	11.0	6.8	3.9	2.9	4.4	4.4	6.8	8.4	13.8	23.4	5.7 959
DEC		9.4	8.5	6.5	6.2	4.4	4.4	5.1	5.0	7.4	16.5	26.6	6.2 987
TOTALS		17.7	5.8	6.2	5.2	3.4	3.9	3.5	5.1	6.8	11.5	30.9	5.9 8659

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.
This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperatures combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

MC MURDO STATION, ANTARCTICA

56-77

STATION NAME

YEARS

MAXIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
45	2												.0
40	3.1											2.2	.6
35	27.5	1.2									.8	20.1	4.3
30	70.2	11.0									6.7	57.9	12.4
25	91.9	36.6	1.1	.2						.2	29.4	86.8	20.7
20	98.0	63.2	8.4	2.2	1.0	.8	1.4	.3	.6	2.0	60.5	97.8	28.0
15	99.5	81.2	19.7	8.3	5.8	4.6	3.8	1.9	3.0	13.8	80.8	99.7	35.1
10	100.0	92.9	39.3	18.6	13.0	14.1	8.6	6.5	12.3	31.7	92.9	100.0	44.0
5		96.6	54.4	33.8	22.9	26.0	17.5	13.8	23.5	48.3	97.9		52.7
0		99.6	71.6	49.8	38.7	42.8	28.3	22.7	36.7	67.8	99.8		63.0
5-		100.0	86.1	63.3	55.3	59.5	45.4	36.3	49.7	80.8	100.0		73.3
10-			95.2	83.4	71.5	76.0	57.5	49.8	63.6	89.5			82.1
15-			98.3	93.6	84.1	87.2	73.5	62.8	80.4	93.4			89.5
20-			99.4	98.9	94.0	95.2	82.6	80.4	91.5	98.2			94.9
25-			100.0	99.8	98.1	98.8	94.5	91.7	97.6	100.0			98.3
30-				100.0	100.0	99.8	98.6	97.7	99.2				99.6
35-						100.0	99.8	99.4	100.0				99.9
40-							100.0	100.0					100.0
MEAN	31.5	21.2	5.7	.3-	3.9-	2.9-	7.5-	9.9-	5.1-	3.3	20.4	30.2	6.9
S. D.	5.066	7.353	9.941	10.112	10.988	10.545	12.004	11.814	11.318	10.071	6.780	5.120	17.242
TOTAL OBS.	651	565	641	628	617	608	650	647	626	650	630	651	7564

NAVWEASERVCOM

5721 Daily Temperatures Jan 1969

DAILY TEMPERATURES

87601
STATION

MC MURDO STATION, ANTARCTICA

56-77

YEARS

MINIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
35	2												.0
30	7.2	.2										4.8	1.1
25	36.9	3.4									1.0	29.2	6.0
20	71.9	15.4									8.1	65.1	13.7
15	91.9	40.4	2.7	.5	.5	.2	.2	.2	.2		27.8	92.2	21.5
10	98.8	63.5	8.9	2.1	1.1	.5	.6	.8	.8	1.8	52.5	98.3	27.4
5	99.8	84.6	17.9	5.6	3.9	3.1	1.8	.8	1.6	9.2	76.2	99.8	33.5
0	100.0	94.0	31.2	14.2	7.6	8.7	4.8	1.5	5.9	18.7	89.7	100.0	39.5
5-		98.8	50.1	25.0	13.9	15.1	8.6	5.1	10.5	34.1	96.7		46.3
10-		99.8	67.2	40.8	25.6	26.8	16.8	10.7	20.4	50.8	99.4		54.7
15-		100.0	82.2	56.7	40.4	41.8	29.1	19.2	34.5	67.7	99.8		64.1
20-			93.6	74.2	59.6	62.7	44.5	32.0	48.9	81.0	100.0		74.6
25-			98.3	89.6	74.6	77.8	58.2	48.4	66.1	88.9			83.4
30-			99.7	96.8	88.2	90.8	71.8	66.8	83.7	96.8			91.3
35-			99.8	99.4	95.1	97.0	87.2	81.0	90.1	98.6			95.6
40-				100.0	98.1	99.7	95.8	91.0	98.2	100.0			98.5
45-					99.7	100.0	98.6	96.4	99.7				99.5
50-			100.0		100.0		99.5	98.9	100.0				99.9
55-							99.8	99.7					100.0
60-							100.0	100.0					100.0
MEAN	22.3	12.0	5.4	12.8	17.3	16.8	22.1	25.4	20.1	10.5	9.3	21.4	5.3
S. D.	5.408	7.336	10.324	10.442	11.336	10.656	11.941	11.561	11.360	10.931	7.560	5.008	19.237
TOTAL OBS.	651	565	641	620	617	608	650	647	626	651	630	651	7565

NAVWEASERVCOM

5721 Daily Temperatures Jan 1969

DAILY TEMPERATURES

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

56-77

YEARS

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
40	.2												.0
35	6.5											1.8	.7
30	32.9	1.8									.8	25.2	5.2
25	72.7	15.0	.2	.2	.2	.2	.8	.3	.2	1.7	6.3	65.3	13.5
20	93.5	39.1	2.2	1.9	.6	.5	1.6	.8	.8	10.2	27.8	91.1	21.4
15	98.9	64.2	8.3	6.8	4.2	2.8	5.7	2.8	2.2	29.5	56.7	98.5	27.8
10	99.6	85.1	17.9	15.1	9.1	10.0	10.9	7.4	6.9	39.4	81.0	99.8	34.2
5	100.0	94.7	36.2	26.9	17.3	18.3	20.5	13.9	14.5	58.0	91.9	100.0	41.1
0		98.4	52.1	43.0	30.6	31.4	20.5	26.7	26.5	73.2	97.6		48.4
5-		99.8	69.1	62.3	47.8	51.5	34.0	26.7	42.7	75.2	100.0		57.6
10-		100.0	85.0	80.6	65.2	70.1	50.8	39.9	56.5	86.0			68.6
15-			94.2	91.2	80.2	82.9	65.5	54.9	73.2	91.8			78.5
20-			98.6	98.6	92.1	93.3	78.5	74.0	88.2	97.7			86.4
25-			99.5	99.8	97.2	98.4	91.2	86.7	95.4	99.8			93.4
30-			99.8	100.0	99.7	99.8	97.5	96.0	99.4	100.0			97.3
35-			100.0	100.0	100.0	100.0	99.4	98.3	100.0				99.4
40-							99.8	99.7					99.8
45-							100.0	100.0					100.0
50-													100.0
MEAN	27.2	16.9	.2	6.6-	10.9-	10.0-	15.0-	17.9-	12.7-	3.7-	15.2	26.0	.7
S.D.	4.949	7.095	10.069	10.115	10.884	10.329	11.674	11.283	11.041	10.379	6.939	4.776	18.261
TOTAL OBS.	651	565	641	628	617	608	650	647	626	650	630	651	7564

NAVWEASERVCOM

4721 Daily Temperatures Jan 1969

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1976

JANUARY

MONTH

1957-1977

YEARS

MC MURDO STATION

STATION NAME

87601

STATION

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	29.3	-1.5	33.2	0.7	40	4.4	40	4.4	25.5	-3.6	16	-8.9	1974*
2	29.2	-1.6	33.9	1.1	47	8.3	47	8.3	24.5	-4.2	12	-11.1	1974
3	28.3	-2.1	32.3	0.2	44	6.7	44	6.7	24.2	-4.3	15	-9.4	1974*
4	28.0	-2.2	32.7	0.4	41	5.0	41	5.0	23.2	-4.9	12	-11.1	1974
5	27.5	-2.5	31.8	-0.1	44	6.7	44	6.7	23.2	-4.9	12	-11.1	1974
6	27.0	-2.8	30.7	-0.7	42	5.6	42	5.6	23.3	-4.8	14	-10.0	1974
7	28.0	-2.2	32.7	0.4	39	3.9	39	3.9	23.2	-4.9	13	-10.6	1974
8	28.5	-1.9	32.6	0.3	44	6.7	44	6.7	24.5	-4.2	18	-7.8	1968
9	28.9	-1.7	32.7	0.4	41	5.0	41	5.0	25.0	-3.9	18	-7.8	1969*
10	29.1	-1.6	33.1	0.6	41	5.0	41	5.0	25.1	-3.8	16	-8.9	1957
11	29.6	-1.3	34.0	1.1	42	5.6	42	5.6	25.3	-3.7	16	-8.9	1957
12	29.0	-1.7	33.5	0.8	40	4.4	40	4.4	24.5	-4.2	12	-11.1	1960
13	29.2	-1.6	33.8	1.0	41	5.0	41	5.0	24.7	-4.1	12	-11.1	1960
14	28.2	-2.1	33.0	0.6	42	5.6	42	5.6	23.3	-4.8	16	-8.9	1964
15	27.4	-2.6	31.8	-0.1	39	3.9	39	3.9	23.0	-5.0	15	-9.4	1958*
16	26.5	-3.1	32.0	0.0	37	2.8	37	2.8	21.0	-6.1	12	-11.1	1960
17	27.0	-2.8	31.8	-0.1	39	3.9	39	3.9	22.3	-5.4	10	-12.2	1960
18	27.1	-2.7	31.9	-0.1	39	3.9	39	3.9	22.3	-5.4	7	-13.9	1960
19	25.9	-3.4	30.4	-0.9	38	3.3	38	3.3	21.3	-5.9	4	-15.6	1960
20	26.1	-3.3	30.9	-0.6	37	2.8	37	2.8	21.4	-5.9	7	-13.9	1960
21	26.4	-3.1	32.0	0.0	37	2.8	37	2.8	20.8	-6.2	11	-11.7	1960
22	26.7	-2.9	31.5	-0.3	40	4.4	40	4.4	21.9	-5.6	14	-10.0	1957
23	26.3	-3.2	30.9	-0.6	38	3.3	38	3.3	21.8	-5.7	8	-13.3	1964
24	24.9	-3.9	29.9	-1.2	40	4.4	40	4.4	19.9	-6.7	10	-12.2	1976
25	25.5	-3.6	31.1	-0.5	37	2.8	37	2.8	19.9	-6.7	12	-11.1	1963
26	25.2	-3.8	30.7	-0.7	36	2.2	36	2.2	19.8	-6.8	10	-12.2	1957
27	23.7	-4.6	27.9	-2.3	33	0.6	33	0.6	19.5	-6.9	9	-12.8	1975
28	23.7	-4.6	28.5	-1.9	35	1.7	35	1.7	18.9	-7.3	7	-13.9	1975
29	24.0	-4.4	28.7	-1.8	41	5.0	41	5.0	19.3	-7.1	8	-13.3	1972
30	24.1	-4.4	28.9	-1.7	38	3.3	38	3.3	19.3	-7.1	5	-15.0	1974
31	23.5	-4.7	28.3	-2.1	36	2.2	36	2.2	18.8	-7.3	10	-12.2	1962
Monthly	26.9	-2.8	31.5	-0.3	47	8.3	47	8.3	22.3	-5.4	4	-15.6	1960

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

97601 MC MURDO STATION

1957-1977

STATION NAME

MONTH

YEARS

STATION NAME

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	22.1	-5.5	26.9	-2.8	33	0.6	1967*	17.2	-8.2	6	-14.4
2	22.5	-5.3	27.0	-2.8	35	1.7	1961	18.1	-7.7	7	-13.9
3	23.0	-5.0	28.1	-2.2	35	1.7	1967*	18.0	-7.8	10	-12.2
4	21.7	-5.7	26.5	-3.1	39	3.9	1958	17.0	-8.3	7	-13.9
5	21.2	-6.0	25.6	-3.6	36	2.2	1958	16.7	-8.5	6	-14.4
6	21.5	-5.8	26.3	-3.2	35	1.7	1958	16.7	-8.5	2	-16.7
7	22.2	-5.4	26.5	-3.1	35	1.7	1958	17.8	-7.9	3	-15.0
8	20.8	-6.2	25.8	-3.4	33	0.6	1975	15.9	-8.9	6	-14.4
9	21.5	-5.8	26.2	-3.2	34	1.1	1975	16.8	-8.4	9	-12.8
10	20.7	-6.3	24.3	-4.3	30	-1.1	1958	17.2	-8.2	9	-12.8
11	18.9	-7.3	23.0	-5.0	29	-1.7	1967*	14.7	-9.6	6	-14.4
12	17.1	-8.3	21.1	-6.1	28	-2.2	1967*	13.1	-10.3	3	-16.1
13	17.1	-8.3	21.8	-5.7	28	-2.2	1969*	12.4	-10.9	1	-17.2
14	16.3	-8.7	20.7	-6.3	32	0.0	1976	11.9	-11.2	-4	-20.0
15	16.4	-8.7	21.8	-5.7	34	1.1	1976	10.9	-11.7	-7	-21.7
16	16.8	-8.4	21.5	-5.8	33	0.6	1976	12.2	-11.0	-5	-20.6
17	16.8	-8.4	21.2	-6.0	32	0.0	1976	12.5	-10.8	-3	-19.4
18	14.1	-9.9	19.1	-7.2	34	1.1	1972*	9.1	-12.7	-3	-19.4
19	14.7	-9.6	19.6	-6.9	31	-0.6	1958	9.8	-12.3	-1	-18.3
20	15.3	-9.3	20.4	-6.4	32	0.0	1972	10.3	-12.1	-2	-18.9
21	15.1	-9.4	20.2	-6.6	27	-2.8	1972	10.0	-12.2	-6	-21.1
22	15.5	-9.2	20.4	-6.4	29	-1.7	1972	10.6	-11.9	-4	-20.0
23	13.5	-10.3	18.6	-7.4	28	-2.2	1962	8.4	-13.1	0	-17.8
24	13.4	-10.3	17.7	-7.9	28	-2.2	1968	9.1	-12.7	-2	-18.9
25	12.7	-10.7	16.9	-8.4	30	-1.1	1962	8.4	-13.1	-2	-18.9
26	10.0	-12.2	14.3	-9.8	26	-3.3	1968*	5.7	-14.6	-3	-19.4
27	8.6	-13.0	13.0	-10.6	24	-4.4	1968*	4.2	-15.4	-7	-21.7
28	6.9	-13.9	10.8	-11.8	22	-5.6	1970	2.9	-16.2	-7	-21.7
29	4.3	-15.4	8.6	-13.0	21	-6.1	1968	0.0	-17.8	-11	-23.9
30											
31											
Monthly	16.9	-8.4	21.5	-5.8	39	3.9	1958	12.3	-10.9	-11	-23.9

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

87601

MC MURDO STATION

1956-1977

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	6.0	-14.4	10.2	-12.1	22	-5.6	1967*	-5.6	1.8	-16.8	-11	-23.9	1976
2	5.5	-14.7	10.1	-12.2	25	-3.9	1958	-3.9	0.9	-17.3	-12	-24.4	1974
3	5.6	-14.7	9.8	-12.3	25	-3.9	1958	-3.9	1.3	-17.1	-12	-24.4	1974*
4	4.8	-15.1	10.0	-12.2	22	-5.6	1971	-5.6	-0.3	-17.9	-12	-24.4	1963
5	5.0	-15.0	10.8	-11.8	27	-2.8	1970	-2.8	-0.7	-18.2	-17	-27.2	1958
6	5.5	-14.7	10.5	-11.9	27	-2.8	1970	-2.8	0.6	-17.4	-13	-25.0	1958
7	4.8	-15.1	10.2	-12.1	23	-5.0	1970	-5.0	-0.4	-18.0	-11	-23.9	1960
8	6.2	-14.3	11.4	-11.4	24	-4.4	1971*	-4.4	0.9	-17.3	-14	-25.6	1968
9	5.9	-14.5	10.5	-11.9	24	-4.4	1971*	-4.4	1.3	-17.1	-16	-26.7	1968
10	3.7	-15.7	8.9	-12.8	24	-4.4	1966	-4.4	-1.3	-18.5	-16	-26.7	1956
11	2.0	-16.7	7.3	-13.7	21	-6.1	1966	-6.1	-3.2	-19.6	-19	-26.1	1968
12	0.6	-17.4	6.0	-14.4	20	-6.7	1970	-6.7	-4.7	-20.4	-16	-26.7	1968
13	0.2	-17.7	6.7	-14.1	20	-6.7	1970	-6.7	-6.1	-21.2	-20	-28.9	1965
14	0.0	-17.8	5.6	-14.7	22	-5.6	1970	-5.6	-5.5	-20.8	-19	-28.3	1962
15	1.0	-17.2	6.9	-13.9	24	-4.4	1976	-4.4	-4.7	-20.4	-18	-27.8	1962
16	-0.3	-17.9	5.9	-14.5	20	-6.7	1976*	-6.7	-6.7	-21.5	-24	-31.1	1962
17	-0.8	-18.2	5.5	-14.7	23	-5.0	1968	-5.0	-7.2	-21.8	-26	-32.2	1974
18	-1.3	-18.5	4.4	-15.3	22	-5.6	1968	-5.6	-7.1	-21.7	-24	-31.1	1975*
19	-1.4	-18.6	4.6	-15.2	22	-5.6	1970	-5.6	-7.6	-22.0	-26	-32.2	1974
20	-0.8	-18.2	4.7	-15.2	22	-5.6	1970	-5.6	-6.5	-21.4	-22	-30.0	1974
21	-1.7	-18.7	3.4	-15.9	18	-7.8	1966	-7.8	-6.9	-21.6	-23	-30.6	1971
22	-0.5	-18.1	5.0	-15.0	19	-7.2	1966	-7.2	-6.2	-21.2	-21	-29.4	1961
23	0.4	-17.6	5.7	-14.6	21	-6.1	1956	-6.1	-4.9	-20.5	-21	-29.4	1962
24	-1.6	-18.7	4.9	-15.1	26	-3.3	1956	-3.3	-8.3	-22.4	-25	-31.7	1964
25	-3.8	-19.9	2.2	-16.6	24	-4.4	1968	-4.4	-9.8	-23.2	-26	-32.2	1964
26	-2.5	-19.2	3.2	-16.0	25	-3.9	1975	-3.9	-8.3	-22.4	-25	-31.7	1960
27	-4.0	-20.0	0.5	-17.5	22	-5.6	1975	-5.6	-6.6	-22.6	-31	-35.0	1965
28	-4.5	-20.3	1.4	-17.0	18	-7.8	1966	-7.8	-10.4	-23.6	-25	-31.7	1962
29	-4.6	-20.3	0.7	-17.4	21	-6.1	1969	-6.1	-10.1	-23.4	-28	-33.3	1962
30	-5.3	-20.7	1.3	-17.1	28	-2.2	1972	-2.2	-12.0	-24.4	-46	-43.3	1965
31	-6.6	-21.4	-0.9	-18.3	20	-6.7	1972	-6.7	-12.2	-24.6	-30	-34.4	1960
Monthly	0.4	-17.6	6.0	-14.4	28	-2.2	1972	-2.2	-5.0	-20.6	-46	-43.3	1965

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 87601 MC MURDO STATION 1956-1977 APRIL MONTH
STATION NAME YEARS

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C				
1	-6.3	-21.3	1.0	-17.2	20	-6.7	1972	-25.4	-29	-33.9	1960	-13.7	-25.4	-29	-33.9	1960		
2	-5.4	-20.8	0.3	-17.6	19	-7.2	1971	-24.1	-26	-32.2	1963	-11.3	-24.1	-26	-32.2	1963		
3	-5.7	-20.9	0.0	-17.8	24	-4.4	1971	-24.2	-31	-35.0	1976	-11.5	-24.2	-31	-35.0	1976		
4	-6.0	-21.1	0.0	-17.8	23	-5.0	1971*	-24.4	-28	-33.3	1976	-12.0	-24.4	-28	-33.3	1976		
5	-5.6	-20.9	-0.1	-17.3	22	-5.6	1971*	-23.9	-32	-35.6	1976	-11.1	-23.9	-32	-35.6	1976		
6	-7.2	-21.8	-1.0	-18.3	18	-7.8	1961	-25.2	-32	-35.6	1957	-13.3	-25.2	-32	-35.6	1957		
7	-9.0	-22.8	-4.0	-20.0	16	-8.9	1971	-25.6	-27	-32.8	1968*	-14.0	-25.6	-27	-32.8	1968*		
8	-10.0	-23.3	-3.5	-19.7	18	-7.8	1969	-26.9	-33	-36.1	1957	-16.4	-26.9	-33	-36.1	1957		
9	-8.2	-22.3	-2.5	-19.2	18	-7.8	1969	-25.5	-35	-37.2	1967	-13.9	-25.5	-35	-37.2	1967		
10	-7.4	-21.9	-0.9	-18.3	21	-6.1	1963	-25.5	-33	-36.1	1967	-13.9	-25.5	-33	-36.1	1967		
11	-7.7	-22.1	-2.0	-18.9	23	-5.0	1963	-25.2	-29	-33.9	1968	-13.4	-25.2	-29	-33.9	1968		
12	-6.0	-21.1	-0.3	-17.9	22	-5.6	1963	-24.2	-28	-33.3	1966	-11.6	-24.2	-28	-33.3	1966		
13	-5.5	-20.8	1.3	-17.1	19	-7.2	1963	-24.7	-28	-33.3	1975	-12.5	-24.7	-28	-33.3	1975		
14	-5.0	-20.6	0.7	-17.4	14	-10.0	1970*	-23.8	-27	-32.8	1972	-10.9	-23.8	-27	-32.8	1972		
15	-5.1	-20.6	0.3	-17.6	18	-7.8	1961	-23.6	-28	-33.3	1960	-10.5	-23.6	-28	-33.3	1960		
16	-4.7	-20.4	2.3	-16.5	25	-3.9	1968	-24.4	-32	-35.6	1957	-11.9	-24.4	-32	-35.6	1957		
17	-4.5	-20.3	2.7	-16.3	22	-5.6	1968	-24.3	-32	-35.6	1957	-11.8	-24.3	-32	-35.6	1957		
18	-3.9	-19.9	2.1	-16.6	20	-6.7	1968	-23.4	-25	-31.7	1969*	-10.1	-23.4	-25	-31.7	1969*		
19	-4.5	-20.3	1.0	-17.2	14	-10.0	1968	-23.4	-29	-33.9	1964	-10.2	-23.4	-29	-33.9	1964		
20	-5.7	-20.9	0.9	-17.3	18	-7.8	1968	-24.7	-29	-33.9	1964	-12.4	-24.7	-29	-33.9	1964		
21	-5.3	-20.7	1.3	-17.1	15	-9.4	1965*	-24.4	-28	-33.3	1969	-11.9	-24.4	-28	-33.3	1969		
22	-4.3	-20.2	1.0	-17.2	18	-7.8	1962	-23.2	-34	-36.7	1969	-9.7	-23.2	-34	-36.7	1969		
23	-3.2	-19.6	2.8	-16.2	17	-8.3	1961	-22.9	-27	-32.8	1969	-9.3	-22.9	-27	-32.8	1969		
24	-3.9	-19.9	1.1	-17.2	20	-6.7	1975	-22.8	-27	-32.8	1963	-9.1	-22.8	-27	-32.8	1963		
25	-5.6	-20.9	0.7	-17.4	19	-7.2	1965	-24.4	-34	-36.7	1963	-11.9	-24.4	-34	-36.7	1963		
26	-8.1	-22.3	-1.4	-18.6	17	-8.3	1965	-26.0	-36	-37.8	1956	-14.8	-26.0	-36	-37.8	1956		
27	-8.1	-22.3	-2.6	-19.2	15	-9.4	1968	-25.3	-38	-38.9	1956	-13.5	-25.3	-38	-38.9	1956		
28	-9.3	-22.9	-2.4	-19.1	15	-9.4	1970	-26.8	-39	-39.4	1956	-16.2	-26.8	-39	-39.4	1956		
29	-9.7	-23.2	-2.8	-19.3	8	-13.3	1965	-27.0	-36	-37.8	1956	-16.6	-27.0	-36	-37.8	1956		
30	-11.1	-23.9	-4.0	-20.0	7	-13.9	1956	-27.9	-29	-33.9	1956	-18.2	-27.9	-29	-33.9	1956		
31	-6.4	-21.3	-0.2	-17.9	25	-3.9	1968	-24.8	-39	-39.4	1956	-12.6	-24.8	-39	-39.4	1956		
Monthly																		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

STATION
87601

MC MURDO STATION
STATION NAME

1956-1977

MAY

MONTH

YEARS

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	DATE	DATE	° F	° C	° F	° C	° F	° C	DATE	DATE
1	-10.8	-23.8	-5.5	-20.8	13	-10.6	-26.7	-33.3	1956	1956	-16.0	-26.7	-33.3	-33.3	-33.3	-33.3	1969	1969
2	-13.1	-25.1	-6.5	-21.4	17	-8.3	-28.7	-30	1956	1956	-19.6	-28.7	-30	-30	-30	-30	1970*	1970*
3	-14.6	-25.9	-8.5	-22.5	5	-15.0	-29.3	-31	1974	1974	-20.8	-29.3	-31	-31	-31	-31	1970	1970
4	-12.6	-24.8	-5.7	-20.9	12	-11.1	-28.6	-31	1956	1956	-19.6	-28.6	-31	-31	-31	-31	1971	1971
5	-12.6	-24.8	-5.8	-21.0	13	-10.6	-27.2	-34	1956	1956	-19.4	-27.2	-34	-34	-34	-34	1963	1963
6	-11.0	-23.9	-5.1	-20.6	12	-11.1	-26.9	-41	1964	1964	-17.0	-26.9	-41	-41	-41	-41	1967	1967
7	-10.2	-23.4	-4.0	-20.0	23	-5.0	-28.6	-41	1971	1971	-16.4	-28.6	-41	-41	-41	-41	1967	1967
8	-12.4	-24.7	-5.4	-20.8	21	-6.1	-28.4	-43	1971	1971	-19.4	-28.4	-43	-43	-43	-43	1967	1967
9	-12.0	-24.4	-4.8	-20.4	27	-2.8	-27.2	-43	1971	1971	-19.2	-27.2	-43	-43	-43	-43	1963	1963
10	-10.4	-23.6	-4.0	-20.0	18	-7.8	-28.3	-37	1972	1972	-16.9	-28.3	-37	-37	-37	-37	1963	1963
11	-11.5	-23.4	-4.1	-20.1	19	-7.2	-26.8	-35	1972	1972	-19.0	-26.8	-35	-35	-35	-35	1974	1974
12	-10.2	-23.8	-3.4	-19.7	18	-7.8	-26.9	-37	1956	1956	-18.1	-26.9	-37	-37	-37	-37	1963	1963
13	-10.8	-23.2	-2.9	-19.4	14	-10.0	-26.2	-41	1956	1956	-16.5	-26.2	-41	-41	-41	-41	1959	1959
14	-9.7	-23.2	-2.0	-18.9	17	-8.3	-25.6	-34	1971	1971	-15.2	-25.6	-34	-34	-34	-34	1963	1963
15	-8.6	-21.4	0.8	-17.3	16	-8.9	-23.8	-32	1974	1974	-14.1	-23.8	-32	-32	-32	-32	1966	1966
16	-7.4	-21.9	-1.3	-18.0	17	-8.3	-25.7	-32	1961	1961	-14.4	-25.7	-32	-32	-32	-32	1963	1963
17	-7.8	-22.1	-2.1	-18.9	16	-7.8	-26.0	-36	1970	1970	-14.2	-26.0	-36	-36	-36	-36	1965	1965
18	-8.3	-22.4	-3.1	-19.5	24	-4.4	-27.5	-36	1974	1974	-14.6	-27.5	-36	-36	-36	-36	1963	1963
19	-8.9	-22.7	-3.0	-19.4	18	-7.8	-27.4	-33	1974	1974	-17.3	-27.4	-33	-33	-33	-33	1965	1965
20	-10.2	-23.4	-3.9	-19.9	16	-7.8	-26.8	-40	1959	1959	-16.3	-26.8	-40	-40	-40	-40	1976	1976
21	-10.4	-23.6	-3.9	-20.6	14	-10.0	-29.2	-48	1959	1959	-19.8	-29.2	-48	-48	-48	-48	1963	1963
22	-10.1	-24.7	-5.2	-20.7	14	-10.0	-28.1	-41	1969	1969	-20.6	-28.1	-41	-41	-41	-41	1963	1963
23	-12.4	-24.9	-5.0	-20.6	12	-11.1	-27.9	-45	1972	1972	-18.6	-27.9	-45	-45	-45	-45	1964	1964
24	-12.9	-24.3	-3.6	-19.8	16	-8.9	-29.6	-42	1972	1972	-21.3	-29.6	-42	-42	-42	-42	1964	1964
25	-11.8	-23.9	-4.9	-20.5	16	-8.9	-28.1	-41	1972*	1972*	-18.5	-28.1	-41	-41	-41	-41	1966	1966
26	-11.0	-23.1	-3.6	-19.8	15	-9.4	-28.4	-36	1965	1965	-19.2	-28.4	-36	-36	-36	-36	1964	1964
27	-13.1	-25.1	-6.6	-21.4	20	-6.7	-27.6	-46	1971	1971	-17.7	-27.6	-46	-46	-46	-46	1976*	1976*
28	-11.1	-23.9	-3.4	-19.7	22	-5.6	-28.4	-46	1965	1965	-19.1	-28.4	-46	-46	-46	-46	1964	1964
29	-11.3	-24.1	-4.0	-20.0	27	-2.8	-27.6	-48	1971	1971	-17.7	-27.6	-48	-48	-48	-48	1976	1976
30	-12.6	-24.9	-4.0	-20.0	27	-2.8	-27.6	-48	1971	1971	-17.7	-27.6	-48	-48	-48	-48	1976	1976
31	-10.9	-23.8	-4.0	-20.0	27	-2.8	-27.6	-48	1971	1971	-17.7	-27.6	-48	-48	-48	-48	1976	1976
Monthly																		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

87601

MC MURDO STATION

1956-1977

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	DATE	° F	° C	° F	° C	DATE
1	-10.6	-23.7	-2.5	-19.2	15	-9.4	1962	-18.6	-28.1	-40	-40.0	1976
2	-9.1	-22.8	-2.3	-19.1	21	-6.1	1967	-16.0	-26.7	-42	-41.1	1976
3	-9.6	-23.1	-3.1	-19.5	22	-5.6	1971	-16.2	-26.8	-42	-41.1	1976
4	-10.2	-23.4	-3.8	-19.9	17	-8.3	1967	-16.6	-27.0	-34	-36.7	1976
5	-9.0	-22.8	-3.1	-19.5	15	-9.4	1967	-14.9	-26.1	-32	-35.6	1976
6	-8.7	-22.6	-1.0	-18.3	16	-8.9	1962	-16.5	-26.9	-38	-38.9	1957
7	-9.1	-22.8	-1.7	-18.7	19	-7.2	1967	-16.6	-27.0	-39	-39.4	1976
8	-5.7	-20.9	1.6	-16.9	15	-9.4	1967	-13.1	-25.1	-26	-32.2	1958
9	-6.4	-21.3	0.4	-17.6	15	-9.4	1967	-13.4	-25.2	-26	-32.2	1975
10	-9.5	-23.1	-3.2	-19.6	10	-12.2	1971*	-15.8	-26.6	-29	-33.9	1958
11	-11.8	-24.3	-4.7	-20.4	11	-11.7	1961	-18.9	-28.3	-34	-36.7	1956
12	-12.2	-24.6	-5.5	-20.8	9	-12.8	1966	-18.8	-28.2	-34	-36.7	1957
13	-9.8	-23.2	-2.2	-19.0	18	-7.8	1963	-17.5	-27.5	-37	-38.3	1957
14	-5.8	-21.0	1.4	-17.0	16	-8.9	1966	-13.1	-25.1	-26	-32.2	1959
15	-4.7	-20.4	1.0	-17.2	16	-8.9	1974*	-10.6	-23.7	-28	-33.3	1967*
16	-7.5	-21.9	-1.1	-18.4	18	-7.8	1956	-13.9	-23.5	-37	-38.3	1962
17	-9.8	-23.2	-2.2	-19.0	16	-8.9	1956	-17.4	-27.4	-36	-37.8	1962
18	-11.4	-24.1	-5.4	-20.8	10	-12.2	1963	-17.4	-27.4	-32	-35.6	1976
19	-12.5	-24.7	-5.9	-21.1	10	-12.2	1957	-19.1	-28.4	-33	-36.1	1965*
20	-12.2	-24.6	-5.8	-21.0	16	-8.9	1972	-18.5	-28.1	-37	-38.3	1958
21	-10.3	-23.5	-3.3	-19.6	12	-11.1	1972*	-17.3	-27.4	-32	-35.6	1958
22	-12.8	-24.9	-5.0	-20.6	10	-12.2	1957	-20.6	-29.2	-33	-36.1	1976
23	-10.6	-23.7	-3.5	-19.7	13	-10.6	1964	-17.7	-27.6	-30	-34.4	1971*
24	-9.8	-23.2	-1.9	-18.8	15	-9.4	1960	-17.7	-27.6	-38	-38.9	1956
25	-9.3	-22.9	-2.0	-18.9	17	-8.3	1972	-16.6	-27.0	-32	-35.6	1963
26	-9.4	-23.0	-2.1	-18.9	22	-5.6	1972	-16.6	-27.0	-34	-36.7	1956
27	-9.2	-22.9	-2.1	-18.9	23	-5.0	1972	-16.3	-26.8	-36	-37.8	1956
28	-10.6	-23.7	-3.6	-19.8	24	-4.4	1972	-17.6	-27.6	-40	-40.0	1965
29	-12.5	-24.7	-6.3	-21.3	13	-10.6	1964	-18.7	-28.2	-38	-38.9	1965
30	-12.7	-24.8	-5.6	-20.9	15	-9.4	1972	-19.7	-28.7	-39	-39.4	1960
31												
Monthly	-9.8	-23.2	-2.8	-19.3	24	-4.4	1972	-16.7	-27.1	-42	-41.1	1976

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION 87601 MC MURDO STATION 1956-1977 YEARS MONTH JULY

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	-11.9	-24.4	-4.4	-20.2	15	-9.4	1972	-19.4	-28.6	-34	-36.7	1956
2	-11.4	-24.1	-3.4	-19.7	17	-8.3	1965	-19.5	-28.6	-37	-38.3	1969
3	-11.5	-24.2	-4.2	-20.1	21	-6.1	1965	-18.7	-28.2	-40	-40.0	1957
4	-11.0	-23.9	-4.1	-20.1	21	-6.1	1965	-18.0	-27.8	-32	-35.6	1960
5	-8.7	-22.6	-2.1	-18.9	21	-6.1	1965	-15.4	-26.3	-35	-37.2	1958
6	-12.0	-24.4	-4.5	-20.3	13	-10.6	1965	-19.5	-28.6	-40	-40.0	1960
7	-13.5	-25.3	-7.1	-21.7	15	-9.4	1970	-19.8	-28.8	-44	-42.2	1960
8	-14.0	-25.6	-6.0	-21.1	13	-10.6	1965	-21.9	-29.9	-59	-50.6	1960
9	-12.6	-24.8	-6.0	-21.1	15	-9.4	1964	-19.1	-28.4	-54	-47.8	1960
10	-14.2	-25.7	-7.0	-21.7	15	-9.4	1964	-21.3	-29.6	-40	-40.0	1971*
11	-17.4	-27.4	-10.3	-23.5	9	-12.8	1965	-24.4	-31.3	-46	-43.3	1971*
12	-16.8	-27.1	-9.4	-23.0	7	-13.9	1965	-24.1	-31.2	-42	-41.1	1971
13	-13.7	-25.4	-6.2	-21.2	11	-11.7	1975	-21.1	-29.3	-37	-38.3	1976
14	-15.0	-26.1	-8.4	-22.4	15	-9.4	1975	-21.6	-29.8	-43	-41.7	1958
15	-17.2	-27.3	-9.9	-23.3	10	-12.2	1975	-24.4	-31.3	-53	-47.2	1963
16	-18.1	-27.8	-10.5	-23.6	6	-14.4	1965	-25.7	-32.1	-49	-45.0	1963
17	-17.4	-27.4	-9.1	-22.8	8	-13.3	1965	-25.8	-32.1	-42	-41.1	1974
18	-15.3	-26.3	-8.3	-22.4	13	-10.6	1963	-22.3	-30.2	-40	-40.0	1974
19	-16.6	-27.0	-8.5	-22.5	6	-14.4	1956	-24.8	-31.6	-40	-40.0	1974
20	-16.1	-26.7	-8.5	-22.5	20	-6.7	1956	-23.7	-30.9	-41	-40.6	1967
21	-15.9	-26.6	-8.2	-22.3	24	-4.4	1956	-23.6	-30.9	-43	-41.7	1961
22	-14.7	-25.9	-7.2	-21.8	16	-8.9	1956	-22.2	-30.1	-37	-38.3	1967*
23	-17.0	-27.2	-9.2	-22.9	11	-11.7	1956	-24.7	-31.5	-38	-38.9	1967*
24	-16.2	-26.8	-9.4	-23.0	18	-7.8	1966	-22.9	-30.5	-39	-39.4	1972
25	-15.9	-26.6	-8.1	-22.3	15	-9.4	1966*	-23.7	-30.9	-41	-40.6	1972
26	-15.4	-26.3	-7.8	-22.1	15	-9.4	1956	-22.9	-30.5	-42	-41.1	1965
27	-16.5	-26.9	-9.9	-23.3	9	-12.8	1968	-23.0	-30.6	-39	-39.4	1972
28	-16.8	-27.1	-9.1	-22.8	14	-10.0	1976	-24.5	-31.4	-45	-42.8	1965
29	-16.8	-27.1	-8.9	-22.7	22	-5.6	1959	-24.7	-31.5	-45	-42.8	1965
30	-16.7	-27.1	-9.9	-23.3	22	-5.6	1959	-23.5	-30.8	-46	-43.3	1965
31	-16.9	-27.2	-9.7	-23.2	23	-5.0	1959	-24.0	-31.1	-48	-44.4	1975
Monthly	-15.0	-26.1	-7.6	-22.0	24	-4.4	1956	-22.3	-30.2	-59	-50.6	1960

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

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25 DAILY AVERAGE/EXTREME TEMP MAR 1978

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DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION **87601** MC MURDO STATION 1956-1977 YEARS MONTH
STATION NAME

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	DATE	° F	° C	° F	° C	DATE
1	-16.7	-28.2	-10.3	-23.5	15	-9.4	1976	-27.0	-32.8	-46	-43.3	1975*
2	-19.0	-28.3	-11.0	-23.9	12	-11.1	1976	-27.1	-32.8	-48	-44.4	1975
3	-18.6	-28.1	-10.5	-23.6	12	-11.1	1976	-26.6	-32.6	-57	-49.4	1975
4	-18.5	-28.1	-11.1	-23.9	10	-12.2	1967	-25.9	-32.2	-55	-48.3	1975
5	-18.7	-28.2	-11.0	-23.9	18	-7.8	1957	-26.4	-32.4	-45	-42.8	1975
6	-21.4	-29.7	-14.0	-25.6	9	-12.8	1967	-28.8	-33.8	-41	-40.6	1956
7	-23.8	-31.0	-16.4	-26.9	1	-17.2	1974	-31.2	-35.1	-46	-43.3	1958
8	-22.6	-30.3	-13.0	-25.0	8	-13.3	1957	-32.2	-35.7	-57	-49.4	1956
9	-18.2	-27.9	-10.4	-23.6	12	-11.1	1974	-26.0	-32.2	-48	-44.4	1958
10	-16.0	-26.7	-8.3	-22.4	9	-12.8	1974	-23.6	-30.9	-41	-40.6	1958
11	-17.5	-27.5	-8.9	-22.7	6	-14.4	1971	-26.0	-32.2	-42	-41.1	1959
12	-18.1	-27.8	-10.7	-23.7	8	-13.3	1972*	-25.6	-32.0	-44	-42.2	1961
13	-16.8	-27.1	-9.4	-23.0	24	-4.4	1972	-24.1	-31.2	-43	-41.7	1961
14	-17.8	-27.7	-11.0	-23.9	22	-5.6	1972	-24.7	-31.5	-46	-43.3	1961
15	-16.9	-27.2	-9.2	-22.9	15	-9.4	1972	-24.6	-31.4	-48	-44.4	1964
16	-17.5	-27.5	-9.9	-23.3	15	-9.4	1972	-25.0	-31.7	-49	-45.0	1964
17	-16.6	-27.0	-9.6	-23.1	15	-9.4	1972	-23.6	-30.9	-47	-43.9	1975
18	-17.7	-27.6	-11.1	-23.9	12	-11.1	1961	-24.4	-31.3	-41	-40.6	1964
19	-18.3	-27.9	-10.3	-23.5	14	-10.0	1961	-26.3	-32.4	-52	-46.7	1959
20	-15.7	-26.5	-7.8	-22.1	12	-11.1	1974	-23.6	-30.9	-47	-43.9	1959
21	-16.0	-26.7	-7.2	-21.8	14	-10.0	1965	-24.8	-31.6	-45	-42.8	1959
22	-16.8	-27.1	-9.6	-23.1	9	-12.8	1974	-23.9	-31.1	-36	-37.8	1972
23	-16.3	-26.8	-8.9	-22.7	9	-12.8	1967	-23.6	-30.9	-40	-40.0	1968
24	-18.6	-28.1	-11.1	-23.9	12	-11.1	1971	-26.1	-32.3	-43	-41.7	1968
25	-19.3	-28.5	-11.2	-24.0	10	-12.2	1965	-27.5	-33.1	-48	-44.4	1966
26	-17.7	-27.6	-10.2	-23.4	12	-11.1	1965	-25.2	-31.8	-48	-44.4	1966
27	-17.8	-27.7	-10.2	-23.4	8	-13.3	1965*	-25.4	-31.9	-45	-42.8	1968
28	-17.2	-27.3	-8.4	-22.4	14	-10.0	1965	-25.9	-32.2	-43	-41.7	1958
29	-17.2	-27.3	-9.6	-23.1	6	-14.4	1965	-24.7	-31.5	-44	-42.2	1968
30	-17.8	-27.7	-9.0	-22.8	17	-8.3	1957	-26.6	-32.6	-52	-46.7	1968
31	-14.0	-25.6	-5.8	-21.0	15	-9.4	1972	-22.1	-30.1	-53	-47.2	1968
Monthly	-18.0	-27.8	-10.2	-23.4	24	-4.4	1972	-25.8	-32.1	-57	-49.4	1975*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION

MC MURDO STATION

1956-1977

SEPTEMBER

STATION NAME

MC MURDO STATION

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	-14.1	-25.6	-6.2	-21.2	19	-7.2	1967	-22.0	-30.0	-47	-43.9	1968
2	-14.2	-25.7	-5.6	-20.9	20	-6.7	1972	-22.7	-30.4	-46	-43.3	1968
3	-15.0	-26.1	-6.8	-21.6	24	-4.4	1972	-23.1	-30.6	-40	-40.0	1975*
4	-11.7	-24.3	-3.9	-19.9	21	-6.1	1972	-19.5	-28.6	-37	-38.3	1957
5	-10.3	-23.5	-1.1	-18.4	22	-5.6	1972	-19.4	-28.6	-40	-40.0	1957
6	-10.7	-23.7	-2.9	-19.4	18	-7.8	1961	-18.6	-28.1	-41	-40.6	1968
7	-12.3	-24.6	-6.2	-21.2	11	-11.7	1956	-18.5	-28.1	-41	-40.6	1966*
8	-14.2	-25.7	-7.2	-21.8	12	-11.1	1957	-21.1	-29.5	-40	-40.0	1962
9	-14.9	-26.1	-7.8	-22.1	17	-8.3	1956	-22.0	-30.0	-38	-38.9	1974
10	-14.6	-25.9	-8.3	-22.4	14	-10.0	1956	-20.9	-29.4	-38	-38.9	1974
11	-14.6	-25.9	-7.6	-22.0	13	-10.6	1956	-21.6	-29.8	-41	-40.6	1962
12	-15.1	-26.2	-7.7	-22.1	8	-13.3	1975	-22.6	-30.3	-42	-41.1	1962
13	-15.2	-26.2	-8.4	-22.4	14	-10.0	1972	-21.9	-29.9	-40	-40.0	1962
14	-15.5	-26.4	-7.1	-21.7	11	-11.7	1964	-23.9	-31.1	-40	-40.0	1962
15	-16.0	-26.7	-8.2	-22.3	11	-11.7	1967	-23.8	-31.0	-41	-40.6	1970
16	-14.0	-25.6	-6.4	-21.3	10	-12.2	1967*	-21.5	-29.7	-39	-39.4	1963
17	-13.2	-25.1	-5.4	-20.8	13	-10.6	1971	-21.0	-29.4	-36	-37.8	1974*
18	-12.0	-24.4	-4.4	-20.2	12	-11.1	1957*	-19.5	-28.6	-37	-38.3	1962*
19	-12.7	-24.8	-3.4	-19.7	14	-10.0	1957	-22.0	-30.0	-38	-38.9	1968
20	-10.6	-23.7	-3.0	-19.4	12	-11.1	1957	-18.2	-27.9	-42	-41.1	1974
21	-9.3	-22.9	-2.0	-18.9	16	-8.9	1971	-16.5	-26.9	-40	-40.0	1968
22	-9.3	-22.9	-2.0	-18.9	15	-9.4	1961*	-16.6	-27.0	-40	-40.0	1968
23	-10.6	-23.7	-2.8	-19.3	14	-10.0	1961	-18.3	-27.9	-40	-40.0	1968
24	-10.2	-23.4	-2.8	-19.3	18	-7.8	1971	-17.5	-27.5	-40	-40.0	1968
25	-10.2	-23.4	-2.8	-19.3	19	-7.2	1971	-17.6	-27.6	-44	-42.2	1968
26	-10.2	-23.4	-3.6	-19.8	18	-7.8	1971	-16.7	-27.1	-37	-38.3	1968
27	-11.6	-24.2	-4.4	-20.2	11	-11.7	1970	-18.8	-28.2	-40	-40.0	1968
28	-10.6	-23.7	-3.5	-19.7	12	-11.1	1956	-17.8	-27.7	-33	-36.1	1967
29	-10.5	-23.6	-3.6	-19.8	16	-8.9	1956	-17.4	-27.4	-31	-35.0	1967
30	-13.0	-25.0	-5.7	-20.9	17	-8.3	1956	-20.3	-29.1	-36	-37.8	1976
31												
Monthly	-12.6	-24.8	-5.1	-20.6	24	-4.4	1972	-20.1	-28.9	-47	-43.9	1968

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

87601

MC MURDO STATION

STATION

STATION NAME

1956-1977

YEARS

OCTOBER

MONTH

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	-14.0	-25.6	-6.6	-21.4	11	-11.7	1975*		-21.4	-29.7	-38	-38.9	1976*	
2	-13.9	-25.5	-6.0	-21.1	12	-11.1	1966		-21.5	-29.7	-34	-36.7	1976	
3	-11.4	-24.1	-4.3	-20.2	10	-12.2	1966		-18.4	-28.0	-31	-35.0	1968	
4	-10.8	-23.8	-2.0	-18.9	12	-11.1	1963		-19.6	-28.7	-36	-37.8	1967	
5	-8.4	-22.4	-1.4	-18.6	19	-7.2	1974		-15.5	-26.4	-36	-37.8	1967	
6	-7.9	-22.2	-0.9	-18.3	18	-7.8	1963		-14.9	-26.1	-33	-36.1	1967	
7	-6.1	-21.2	1.3	-17.1	20	-6.7	1970		-13.5	-25.3	-36	-37.8	1975	
8	-7.0	-21.7	1.2	-17.1	20	-6.7	1972		-15.3	-26.3	-39	-39.4	1976	
9	-5.9	-21.1	2.7	-16.3	21	-6.1	1972		-14.6	-25.9	-30	-34.4	1976	
10	-3.0	-19.4	4.4	-15.3	17	-8.3	1970*		-10.5	-23.6	-31	-35.0	1959	
11	-4.5	-20.3	2.3	-16.5	18	-7.8	1970		-11.4	-24.1	-34	-36.7	1976	
12	-4.5	-20.3	2.0	-16.7	15	-9.4	1958		-11.1	-23.9	-30	-34.4	1959	
13	-3.5	-19.7	3.1	-16.1	15	-8.9	1968		-10.6	-23.7	-40	-40.0	1976	
14	-3.7	-19.8	3.1	-16.1	16	-8.3	1965		-12.3	-24.6	-31	-35.0	1976	
15	-5.7	-20.9	0.8	-17.3	17	-8.3	1965		-11.6	-24.2	-28	-33.3	1975	
16	-5.8	-21.0	0.0	-17.8	17	-9.4	1965		-12.3	-24.6	-26	-32.2	1962	
17	-5.9	-21.1	0.3	-17.6	15	-10.6	1972		-11.4	-24.1	-29	-33.9	1962	
18	-4.6	-20.3	2.1	-16.6	13	-11.1	1972*		-11.4	-24.1	-25	-31.7	1976	
19	-5.0	-20.6	1.2	-17.1	12	-9.4	1966*		-10.2	-23.4	-30	-34.4	1976	
20	-3.0	-19.4	4.0	-15.6	15	-9.4	1972		-7.5	-21.9	-22	-30.0	1962	
21	-1.8	-18.8	3.9	-15.6	15	-7.8	1960		-7.4	-21.9	-21	-29.4	1976	
22	-1.2	-18.4	5.0	-15.0	18	-5.0	1965		-7.4	-21.9	-22	-30.0	1969	
23	-1.4	-18.6	4.4	-15.3	23	-5.6	1965		-7.3	-21.8	-20	-28.9	1963	
24	-1.0	-18.3	5.1	-14.9	22	-7.2	1974*		-6.9	-21.6	-22	-30.0	1958	
25	-0.2	-17.9	6.3	-14.3	19	-6.7	1971		-7.0	-21.7	-22	-30.0	1959	
26	0.0	-17.8	6.8	-14.0	20	-6.1	1974		-4.7	-20.4	-18	-27.8	1959	
27	2.3	-16.5	9.5	-12.5	21	-5.6	1969		-1.9	-18.8	-21	-29.4	1959	
28	4.1	-15.5	10.3	-12.1	22	-4.4	1969		-2.1	-18.9	-23	-30.6	1959	
29	4.0	-15.6	10.3	-12.1	24	-7.8	1974*		0.0	-17.8	-15	-26.1	1959	
30	5.4	-14.8	11.0	-11.7	18	-4.4	1960		-0.3	-17.9	-19	-28.3	1959	
31	5.3	-14.8	11.0	-11.7	24	-4.4	1969*		-10.7	-23.7	-40	-40.0	1976	
Monthly	-3.8	-19.9	2.9	-16.2	24	-4.4	1969*							

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

NOVEMBER

MONTH

1956-1977

YEARS

MC MURDO STATION

STATION NAME

87601

STATION

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	5.0	-15.0	11.4	-11.4	29	-1.7	-19	-18.4	-1.2	-18.4	-19	-28.3	1959
2	7.1	-13.8	12.6	-10.8	28	-2.2	-9	-16.9	1.6	-16.9	-9	-22.8	1975
3	8.2	-13.2	13.8	-10.1	29	-1.7	-8	-16.4	2.5	-16.4	-8	-22.2	1968
4	8.1	-13.3	14.0	-10.0	29	-1.7	-12	-16.6	2.2	-16.6	-12	-24.4	1968
5	9.1	-12.7	16.0	-8.9	26	-3.3	-7	-16.6	2.2	-16.6	-7	-21.7	1975
6	8.1	-13.3	13.6	-10.2	24	-4.4	-15	-16.3	2.6	-16.3	-15	-26.1	1975
7	9.0	-12.8	14.9	-9.5	25	-3.9	-9	-16.0	3.2	-16.0	-9	-22.8	1967
8	10.4	-12.0	15.8	-9.0	26	-3.3	-7	-15.1	4.9	-15.1	-7	-21.7	1967
9	11.8	-11.2	17.6	-8.0	30	-1.1	-5	-14.5	5.9	-14.5	-5	-20.6	1975
10	12.7	-10.7	18.4	-7.6	30	-1.1	-3	-13.8	7.1	-13.8	-3	-20.6	1976
11	13.9	-10.1	19.6	-6.9	28	-2.2	-3	-13.2	8.2	-13.2	-3	-20.6	1976
12	12.9	-10.6	17.9	-7.8	30	-1.1	-7	-13.4	7.8	-13.4	-7	-21.7	1959
13	14.4	-9.8	20.1	-6.6	29	-1.7	-4	-12.9	8.8	-12.9	-4	-20.0	1960
14	14.4	-9.8	19.8	-6.8	28	-2.2	-6	-12.8	9.0	-12.8	-6	-21.1	1960
15	14.3	-9.8	19.6	-6.9	28	-2.2	-6	-12.8	8.9	-12.8	-6	-21.1	1965
16	14.4	-9.8	20.3	-6.5	30	-1.1	-6	-13.1	8.5	-13.1	-6	-21.1	1960
17	16.5	-8.6	22.1	-5.5	30	-1.1	2	-11.8	10.8	-11.8	2	-16.7	1958
18	17.9	-7.8	22.8	-5.1	33	0.6	4	-10.6	12.9	-10.6	4	-15.6	1963
19	17.4	-8.1	22.3	-5.4	30	-1.1	4	-10.7	12.4	-10.7	4	-15.6	1970
20	17.0	-8.3	22.2	-5.4	34	1.1	4	-11.2	11.8	-11.2	4	-15.6	1972
21	17.7	-7.9	22.8	-5.1	31	-0.6	2	-10.8	12.5	-10.8	2	-16.7	1972
22	18.3	-7.6	23.0	-5.0	32	0.0	5	-10.3	13.5	-10.3	5	-15.0	1972*
23	18.8	-7.3	24.0	-4.4	32	0.0	2	-10.3	13.5	-10.3	2	-16.7	1962
24	18.8	-7.3	24.5	-4.2	33	0.6	4	-10.5	13.1	-10.5	4	-15.6	1962
25	19.4	-7.0	24.8	-4.0	33	0.6	2	-10.0	14.0	-10.0	2	-16.7	1975
26	20.7	-6.3	25.5	-3.6	37	2.8	7	-9.0	15.8	-9.0	7	-13.9	1976
27	21.5	-5.8	26.2	-3.2	35	1.7	7	-8.4	16.8	-8.4	7	-13.9	1967
28	21.7	-5.7	26.2	-3.2	32	0.0	8	-8.3	17.1	-8.3	8	-13.3	1969
29	23.3	-4.8	27.7	-2.4	35	1.7	7	-7.3	18.9	-7.3	7	-13.9	1976
30	22.7	-5.2	27.0	-2.8	37	2.8	10	-7.6	18.3	-7.6	10	-12.2	1958
31													
Monthly	14.9	-9.5	20.2	-6.6	37	2.8	-19	-12.5	9.5	-12.5	-19	-28.3	1959

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C

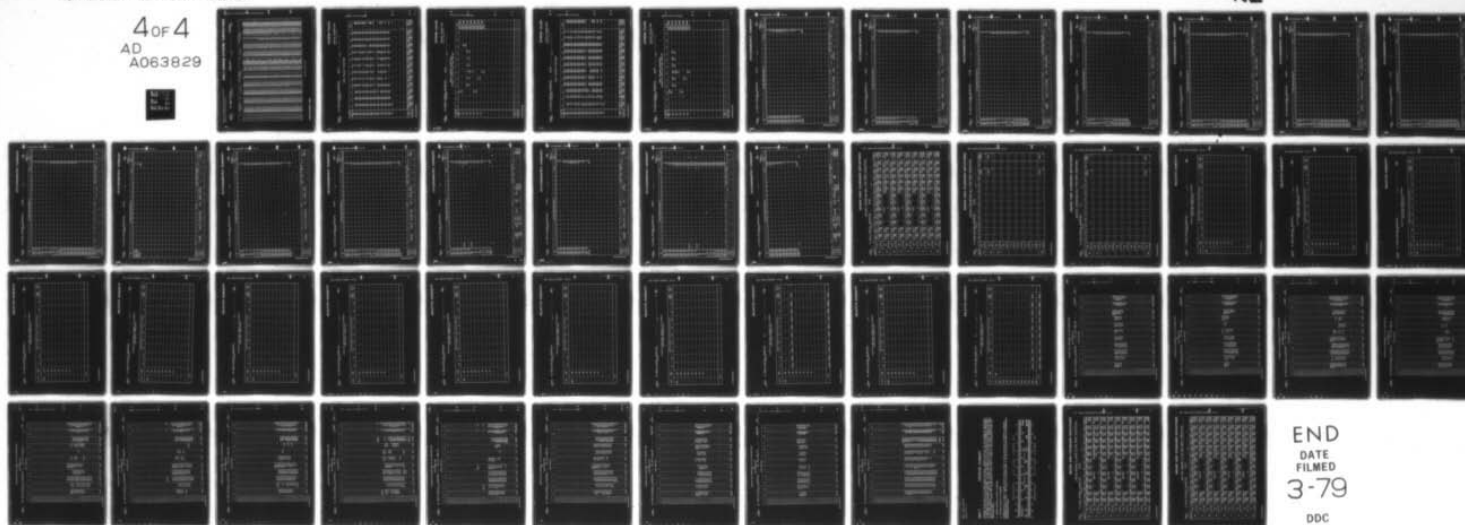
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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), MCMURDO--ETC(U)
JUL 78

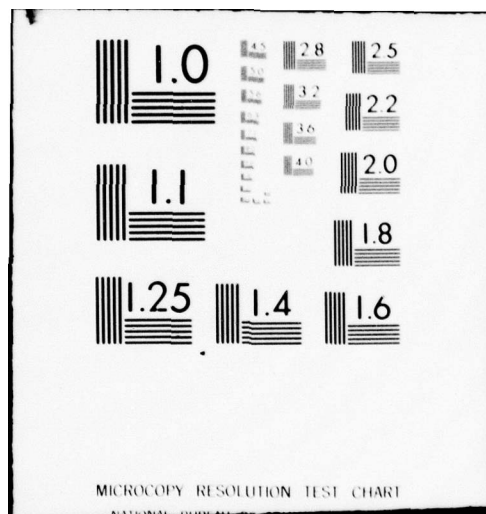
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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

2

87601

MC MURDO STATION

1956-1977

DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C
1	22.2	-5.4	26.7	-2.9	36	2.2	17.7	-7.9	9	-12.8
2	21.5	-5.8	25.9	-3.4	35	1.7	17.1	-8.3	9	-12.8
3	22.1	-5.5	26.4	-3.1	35	1.7	17.8	-7.9	9	-12.8
4	22.3	-5.4	27.1	-2.7	36	2.2	17.4	-8.1	7	-13.9
5	22.3	-5.4	26.8	-2.9	35	1.7	17.8	-7.9	6	-14.4
6	23.7	-4.6	28.3	-2.1	35	1.7	19.0	-7.2	2	-16.7
7	24.1	-4.4	29.2	-1.6	36	2.2	19.0	-7.2	9	-12.8
8	24.3	-4.3	28.4	-2.0	35	1.7	20.2	-6.6	9	-12.8
9	24.3	-4.3	28.8	-1.8	35	1.7	19.8	-6.8	10	-12.2
10	24.7	-4.1	29.0	-1.7	38	3.3	20.4	-6.4	10	-12.2
11	25.1	-3.8	29.2	-1.6	38	3.3	20.9	-6.2	10	-12.2
12	24.3	-4.3	28.6	-1.9	39	3.9	19.9	-6.7	13	-10.6
13	24.6	-4.1	29.4	-1.4	38	3.3	19.7	-6.8	11	-11.7
14	25.8	-3.4	29.6	-1.3	37	2.8	22.0	-5.6	14	-10.0
15	26.2	-3.2	30.3	-0.9	34	1.1	22.0	-5.6	13	-10.6
16	26.6	-3.0	30.2	-1.0	37	2.8	23.0	-5.0	16	-8.9
17	26.6	-3.0	30.6	-0.8	40	4.4	22.6	-5.2	15	-9.4
18	26.3	-3.2	31.0	-0.6	39	3.9	21.5	-5.8	11	-11.7
19	26.3	-3.2	30.7	-0.7	38	3.3	21.9	-5.6	11	-11.7
20	27.6	-2.4	31.8	-0.1	37	2.8	23.5	-4.7	16	-8.9
21	27.1	-2.7	31.7	-0.2	39	3.9	22.4	-5.3	15	-9.4
22	27.6	-2.4	32.3	0.2	40	4.4	22.8	-5.1	14	-10.0
23	27.3	-2.6	31.7	-0.2	40	4.4	22.8	-5.1	15	-9.4
24	26.6	-3.0	30.5	-0.8	38	3.3	22.6	-5.2	16	-8.9
25	27.2	-2.7	31.6	-0.2	38	3.3	22.8	-5.1	17	-8.3
26	28.4	-2.0	32.0	0.0	39	3.9	24.7	-4.1	16	-8.9
27	29.1	-1.6	33.8	1.0	41	5.0	24.3	-4.3	16	-8.9
28	28.5	-1.9	32.6	0.3	40	4.4	24.4	-4.2	14	-10.0
29	29.5	-1.4	33.4	0.8	42	5.6	25.6	-3.6	16	-8.9
30	29.6	-1.3	34.0	1.1	42	5.6	25.1	-3.8	18	-7.8
31	29.7	-1.3	33.8	1.0	41	5.0	25.6	-3.6	18	-7.8
Monthly	25.9	-3.4	30.2	-1.0	42	5.6	21.5	-5.8	2	-16.7

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS]

87601

MC MURDO STATION, ANTARCTICA

56-77

STATION	STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

NAVWEASERVCOM

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

87601	MC MURDO STATION, ANTARCTICA	56-77
STATION	STATION NAME	

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

(FROM DAILY OBSERVATIONS)

87601

MC MURDO STATION, ANTARCTICA

56-77

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56					39-	32-	38-	38-	57-	32-	30-	3-	13	
57		10	3-	19-	33-	36-	38-	40-	42-	40-	28-	4	7	42-
58		15	3	21-	24-	37-	37-	46-	48-	41-	26-	3-	9	48-
59		13	5-	15-	28-	37-	29-	40-	52-	33-	32-	19-	11	52-
60		4	7-	30-	29-	25-	39-	59-	42-	41-	17-	6-	2	59-
61		15	6-	25-	24-	25-	30-	43-	46-	33-	37-	1	12	46-
62		10	2-	28-	30-	30-	37-	39-	42-	42-	32-	3-	13	42-
63		12	1-	19-	34-	43-	33-	53-	55-	39-	23-	8-	14	55-
64		8	7-	26-	29-	45-	30-	29-	49-	32-	26-	1-	15	49-
65		14	2	46-	26-	48-	40-	46-	45-	29-	29-	6-	15	48-
66		11	7	8-	28-	42-	30-	30-	48-	41-	22-	5	14	48-
67		16	9	20-	35-	41-	35-	41-	34-	34-	37-	9-	13	41-
68		11	6	16-		37-		46-	35-	32-	38-	12-	12	
69		16	4-	15-	34-			36-	46-	41-	26-	6-	13	
70		16	0		25-	33-	26-	46-	46-	35-	13-	3-	16	
71		16	2-	26-	23-	33-	34-	46-	41-	29-	28-	2-	13	
72		8	4	22-	33-	37-	27-	41-	38-	29-	30-	6-	16	41-
73		14	2	26-	26-	37-	37-	37-	34-	36-	25-	0	7	
74		5	2-	26-	26-	37-	32-	42-	38-	42-	30-	13-	16	42-
75		7	1-	24-	28-			48-	57-	40-	36-	15-	11	
76		10	11-	16-	32-	46-	42-	37-	37-	36-	40-	8-	11	46-
77		16												
MEAN		11.8	.9-	22.5-	29.3-	36.9-	34.1-	41.9-	44.3-	36.4-	28.8-	3.4-	12.0	47.0-
S. D.		3.807	5.139	7.947	4.342	6.588	4.702	7.051	7.292	4.465	6.816	6.029	3.471	5.278
TOTAL OBS.		651	565	589	600	558	540	620	620	600	651	630	651	7275

5723 Extreme Values Jan 1969

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

56-77

MC MURDO STATION, ANTARCTICA

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

05 PSYCHROMETRIC SUMMARY JAN 68

73-77

MC MURDO STATION, ANTARCTICA

87601

STATION

YEARS

JAN

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL				
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		Wet Bulb	Dew Point		
46/ 45																			1					
42/ 41																			3					
40/ 39																			22					
38/ 37																			24					
36/ 35																			71					
34/ 33																			124					
32/ 31																			183					
30/ 29																			186					
28/ 27																			167					
26/ 25																			139					
24/ 23																			96					
22/ 21																			71					
20/ 19																			51					
18/ 17																			41					
16/ 15																			32					
14/ 13																			15					
12/ 11																			6					
10/ 9																			4					
8/ 7																			4					
TOTAL																			1240					
Element (X)																		Mean No. of Hours with Temperature					Total	
Rel. Hum.																		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																			597.0					744.0
Wet Bulb																								
Dew Point																								

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

5055 PSYCHROMETRIC SUMMARY JAN 68

87601

MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

YEARS

PAGE 1

NOV 68 (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL							
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Wet Bulb	Dew Point						
34/ 33																			1							
32/ 31																			3							
30/ 29																			23							
28/ 27																			44							
26/ 25																			40							
24/ 23																			68							
22/ 21																			70							
20/ 19																			73							
18/ 17																			64							
16/ 15																			67							
14/ 13																			60							
12/ 11																			66							
10/ 9																			63							
8/ 7																			28							
6/ 5																			41							
4/ 3																			20							
2/ 1																			10							
0/- 1																			10							
- 2/- 3																			5							
- 4/- 5																			2							
- 6/- 7																			1							
- 8/- 9																			1							
TOTAL																			760							
Element (X)																	Mean No. of Hours with Temperature				Total					
Rel. Hum.																	≤ 0 F				≥ 80 F	≥ 93 F	Total			
Dry Bulb	248032																12460				16.4	7.592	760	16.8	671.1	672.0
Wet Bulb																										
Dew Point																										

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 93 F	
Dry Bulb	248032	12460	16.4	7.592	760	16.8	671.1				672.0
Wet Bulb											
Dew Point											

PSYCHROMETRIC SUMMARY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

73-76

YEARS

MAR
MONTH

PAGE 1
HOURS (L.S.T.)

05

PSYCHROMETRIC SUMMARY

JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL				
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
26/ 25																			1					
24/ 23																			4					
22/ 21																			1					
20/ 19																			3					
18/ 17																			6					
16/ 15																			7					
14/ 13																			12					
12/ 11																			22					
10/ 9																			30					
8/ 7																			29					
6/ 5																			28					
4/ 3																			32					
2/ 1																			40					
0/- 1																			30					
- 2/- 3																			37					
- 4 /- 5																			35					
- 6/- 7																			45					
- 8/- 9																			35					
-10/-11																			23					
-12/-13																			23					
-14/-15																			21					
-16/-17																			8					
-18/-19																			14					
-20/-21																			7					
-22/-23																			1					
-24/-25																			2					
TOTAL																			496					
Element (X)																		Mean No. of Hours with Temperature				Total		
Rel. Hum.																		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	45559																	565-	1.1-	9.525	496	421.5	744.0	744.0
Wet Bulb																								
Dew Point																								

PSYCHROMETRIC SUMMARY

5711

PSYCHROMETRIC SUMMARY

JAN 68

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MC MURDO STATION, ANTARCTICA

87601

14218 2097-54321

YEARS

STATION NAME

APR NORTH

PAGE 1
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL									
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		Wet Bulb	Dew Point							
18/ 17																			2										
16/ 15																			4										
14/ 13																			9										
12/ 11																			6										
10/ 9																			12										
8/ 7																			10										
6/ 5																			18										
4/ 3																			21										
2/ 1																			18										
0/- 1																			18										
- 2/- 3																			31										
- 4/- 5																			38										
- 6/- 7																			36										
- 8/- 9																			49										
-10/-11																			32										
-12/-13																			44										
-14/-15																			36										
-16/-17																			28										
-18/-19																			41										
-20/-21																			15										
-22/-23																			5										
-24/-25																			5										
-26/-27																			1										
TOTAL																			479										
Element (X)																		ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.																							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	64436																	3386	7.1	9.204	479	569.7	720.0					720.0	
Wet Bulb																													
Dew Point																													

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

87601

MC MURDO STATION, ANTARCTICA

73-76

YEARS

MAY

MONTH

STATION NAME

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.		Dry Bulb	Wet Bulb	Dew Point
24/ 23																			2			
22/ 21																			2			
18/ 17																			3			
16/ 15																			4			
14/ 13																			10			
12/ 11																			4			
10/ 9																			16			
8/ 7																			9			
6/ 5																			11			
4/ 3																			20			
2/ 1																			18			
0/- 1																			24			
- 2/- 3																			31			
- 4/- 5																			41			
- 6/- 7																			45			
- 8/- 9																			36			
-10/-11																			41			
-12/-13																			43			
-14/-15																			33			
-16/-17																			36			
-18/-19																			11			
-20/-21																			8			
-22/-23																			12			
-24/-25																			8			
-26/-27																			6			
-28/-29																			9			
-30/-31																			4			
-32/-33																			7			
-34/-35																			3			
-36/-37																			1			
-42/-43																			1			
TOTAL																			499			
Element (X)	Mean No. of Hours with Temperature																Total					
Ref. Hum.																	≥ 80 F	≥ 73 F	≥ 93 F	Total		
Dry Bulb	88764	3890-																7.8-10.832	499	596.4	744.0	744.0
Wet Bulb																						
Dew Point																						

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

Σx

Σx^2

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

Total

≥93 F

≥80 F

≥73 F

≥67 F

≤32 F

≤0 F

499

7.8-10.832

3890-

88764

596.4

744.0

744.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

87601 STATION MC MURDO STATION, ANTARCTICA 73-76

JUN MONTH

YEARS

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31						
30/ 29																			1				
14/ 13																			3				
12/ 11																			10				
10/ 9																			12				
8/ 7																			11				
6/ 5																			12				
4/ 3																			14				
2/ 1																			16				
0/- 1																			23				
- 2/- 3																			29				
-4 /- 5																			25				
- 6/- 7																			29				
- 8/- 9																			32				
-10/-11																			50				
-12/-13																			30				
-14/-15																			29				
-16/-17																			25				
-18/-19																			31				
-20/-21																			20				
-22/-23																			14				
-24/-25																			14				
-26/-27																			9				
-28/-29																			10				
-30/-31																			5				
-32/-33																			4				
-34/-35																			6				
-36/-37																			3				
-38/-39																			3				
-60/-61																			1				
TOTAL																			477				
Element (X)																							
Rel. Hum.																							
Dry Bulb	109177																						
Wet Bulb	4831-																						
Dew Point																							
										No. Obs.		Mean No. of Hours with Temperature					Total						
												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	720.0					
										477		600.8	720.0					720.0					

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

JAN 68

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ANTARCTICA

MC MURDO STATION

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STATION NAME

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PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL				
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		Wet Bulb	Dew Point		
36/ 35																			1					
18/ 17																			1					
16/ 15																			1					
14/ 13																			3					
12/ 11																			3					
10/ 9																			14					
8/ 7																			14					
6/ 5																			18					
4/ 3																			14					
2/ 1																			12					
0/- 1																			15					
- 2/- 3																			31					
- 4/- 5																			30					
- 6/- 7																			32					
- 8/- 9																			36					
-10/-11																			32					
-12/-13																			28					
-14/-15																			18					
-16/-17																			30					
-18/-19																			28					
-20/-21																			23					
-22/-23																			13					
-24/-25																			25					
-26/-27																			11					
-28/-29																			25					
-30/-31																			7					
-32/-33																			13					
-34/-35																			9					
-36/-37																			4					
-38/-39																			2					
-40/-41																			1					
-42/-43																			2					
TOTAL																			496					
Element (X)	ΣX^2				ΣX				\bar{X}				σ_x				No. Obs.				Mean No. of Hours with Temperature			
Rel. Hum.	141911				5777-				11.6-12.278				496				622.5				742.5			
Dry Bulb																					Total			
Wet Bulb																					744.0			
Dew Point																								

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PSYCHROMETRIC SUMMARY

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STATIONMC MURDO STATION, ANTARCTICA
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HOURS (L.S.T.)

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PSYCHROMETRIC SUMMARY JAN 68

1000

1000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
30/ 29																			1		
20/ 19																			1		
15/ 15																			1		
14/ 13																			3		
12/ 11																			5		
10/ 9																			6		
8/ 7																			5		
6/ 5																			12		
4/ 3																			7		
2/ 1																			15		
0/- 1																			16		
- 2/- 3																			28		
-4 /- 5																			19		
- 6/- 7																			25		
- 8/- 9																			43		
-10/-11																			27		
-12/-13																			39		
-14/-15																			27		
-16/-17																			42		
-18/-19																			46		
-20/-21																			29		
-22/-23																			26		
-24/-25																			32		
-26/-27																			20		
-28/-29																			13		
-30/-31																			7		
-32/-33																			8		
-34/-35																			3		
-36/-37																			3		
-38/-39																			5		
-40/-41																			5		
-42/-43																			5		
-44/-45																			2		
-46/-47																			3		
Element (X)	Σ X ²		Σ X		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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PSYCHROMETRIC SUMMARY

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MC MURDO STATION, ANTARCTICA

73-76

STATION NAME

SEP

YEARS

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HOURS (L.S.T.)

5 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	
40/39																			1	1
22/21																			1	1
10/9																			3	3
8/7																			15	15
6/5																			12	12
4/3																			14	14
2/1																			20	20
0/-1																			19	19
-2/-3																			21	21
-4/-5																			39	39
-6/-7																			33	33
-8/-9																			36	36
-10/-11																			37	37
-12/-13																			47	47
-14/-15																			41	41
-16/-17																			60	60
-18/-19																			80	80
-20/-21																			64	64
-22/-23																			52	52
-24/-25																			49	49
-26/-27																			44	44
-28/-29																			25	25
-30/-31																			30	30
-32/-33																			14	14
-34/-35																			6	6
-36/-37																			4	4
-38/-39																			2	2
-40/-41																			1	1
TOTAL																			770	770

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						≥0 F	≥32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb	264001	11793	15.3	10.413	770	658.3	719.1					720.0
Wet Bulb												
Dew Point												

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

$\sum x$

$\sum x^2$

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

±80 F

±93 F

±73 F

±67 F

±32 F

±0 F

658.3

719.1

770

15.3-10.413

11793

264001

720.0

Total

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PSYCHROMETRIC SUMMARY

87601 STATION MC MURDO STATION, ANTARCTICA 73-76 YEARS
 05 PSYCHROMETRIC SUMMARY JAN 68
 OCT MONTH
 PAGE 1
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL						
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
66/ 65																			1							
22/ 21																			3							
20/ 19																			5							
18/ 17																			8							
16/ 15																			13							
14/ 13																			29							
12/ 11																			51							
10/ 9																			39							
8/ 7																			44							
6/ 5																			67							
4/ 3																			67							
2/ 1																			55							
0/- 1																			61							
- 2/- 3																			46							
- 4/- 5																			44							
- 6/- 7																			40							
- 8/- 9																			27							
-10/-11																			43							
-12/-13																			52							
-14/-15																			37							
-16/-17																			40							
-18/-19																			45							
-20/-21																			27							
-22/-23																			46							
-24/-25																			29							
-26/-27																			20							
-28/-29																			9							
-30/-31																			6							
-32/-33																			2							
-38/-39																			3							
TOTAL																			959							
Element (X)																		Mean No. of Hours with Temperature				Total				
Rel. Hum.																		≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb	170727																		4407-	4.6-	12.5	32	959	447.6	743.2	744.0
Wet Bulb																										
Dew Point																										

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	
Rel. Hum.											
Dry Bulb	170727	4407-	4.6-	12.532	959	447.6	743.2				744.0
Wet Bulb											
Dew Point											

PSYCHROMETRIC SUMMARY

STATION
87601

MC MURDO STATION, ANTARCTICA

73-76

MONTH
ADN

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PAGE 1
HOURS (L.S.T.)

GE 1
HOURS (L.S.Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	
32/ 31																		1			
30/ 29																		5			
28/ 27																		17			
26/ 25																		41			
24/ 23																		44			
22/ 21																		70			
20/ 19																		108			
18/ 17	50.0																	1	104	1	
16/ 15																			112		
14/ 13																			101		
12/ 11																		79			
10/ 9	50.0																	1	71	1	
8/ 7																			46		
6/ 5																			37		
4/ 3																			38		
2/ 1																			34		
0/- 1																			21		
- 2/- 3																			13		
- 4/- 5																			14		
- 6/- 7																			1		
- 8/- 9																			1		
-10/-11																			1		
TOTAL	0.0																	959	2	1	
													</								

PSYCHROMETRIC SUMMARY

73-76

YEARS

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MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	TOTAL
42 / 41																			2		
40 / 39																			7		
38 / 37																			7		
36 / 35																			21		
34 / 33																			53		
32 / 31																			78		
30 / 29																					
28 / 27																			116		
26 / 25																			122		
24 / 23																			120		
22 / 21																			109		
20 / 19																			136		
18 / 17																			110		
16 / 15																			47		
14 / 13																			35		
12 / 11																			12		
10 / 9																			7		
TOTAL																			5	987	

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PSYCHROMETRIC SUMMARY

87601 MC MURDO STATION, ANTARCTICA 73-77 87601

ALL MONTH

PAGE 1 HOURS (L.S.T.)

YEARS

STATION NAME

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		Dew Point	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.		Wet Bulb
66/ 65																			1	
46/ 45																			1	
42/ 41																			5	
40/ 39																			30	
38/ 37																			31	
36/ 35																			93	
34/ 33																			178	
32/ 31																			265	
30/ 29																			332	
28/ 27																			350	
26/ 25																			341	
24/ 23																			323	
22/ 21																			354	
20/ 19																			351	
18/ 17	50.0																	1	276	1
16/ 15																			276	
14/ 13																			257	
12/ 11																			259	
10/ 9	50.0																	1	275	1
8/ 7																			215	
6/ 5																			256	
4/ 3																			247	
2/ 1																			238	
0/- 1																			237	
- 2/- 3																			272	
- 4/- 5																			287	
- 6/- 7																			287	
- 8/- 9																			296	
-10/-11																			286	
-12/-13																			312	
-14/-15																			242	
-16/-17																			269	
-18/-19																			296	
-20/-21																			193	
Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature						TOTAL			
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 80 F		≥ 93 F	Total
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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PSYCHROMETRIC SUMMARY

STATION 87601 MC MURDO STATION, ANTARCTICA STATION NAME 73-77 YEARS ALL MONTH PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		Wet Bulb
-22/-23																			169		
-24/-25																			164		
-26/-27																			111		
-28/-29																			91		
-30/-31																			59		
-32/-33																			48		
-34/-35																			32		
-36/-37																			15		
-38/-39																			13		
-40/-41																			7		
-42/-43																			8		
-44/-45																			2		
-46/-47																			3		
-48/-49																			1		
-54/-55																			1		
-60/-61																			2		
TOTAL	0																	2	8657	2	1

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total								
						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Ref. Hum.	9216	96	96.0		1																8760.0
Dry Bulb	3216753	42931	5.0	18.628	8657	4638.0	541.1														8760.0
Wet Bulb	424	28	14.0		2	720.0															8760.0
Dew Point	289	17	17.0		1	720.0															8760.0

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	
Ref. Hum.	9216	96	96.0		1						
Dry Bulb	3216753	42931	5.0	18.628	8657	4638.0	541.1				8760.0
Wet Bulb	424	28	14.0		2		720.0				8760.0
Dew Point	289	17	17.0		1		720.0				8760.0

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MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

87601 MC MURDO STATION, ANTARCTICA 73-77

STATION

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN	27.6	15.1	1.4	6.7	7.8	11.3	13.5	14.6	6.1	12.9	24.5	1.2
	S. D.	6.006	7.623	9.618	9.461	10.964	12.389	12.237	10.196	12.095	7.749	5.606	17.787
	TOTAL OBS	155	112	124	120	124	119	124	120	124	120	124	1490
03	MEAN	26.8	16.7			6.0		16.2	15.8	6.5	12.0	23.7	11.7
	S. D.	5.944	6.334			1		9.239	10.408	12.617	7.564	5.248	17.160
	TOTAL OBS	155	78			1		6	71	115	119	123	668
06	MEAN	26.7	14.6	2.3	6.5	7.9	12.2	14.0	15.6	6.0	12.8	23.9	.8
	S. D.	5.765	7.870	9.300	9.203	10.748	12.408	12.717	11.354	12.616	7.536	5.387	17.761
	TOTAL OBS	155	113	124	120	123	119	124	120	124	120	124	1489
09	MEAN	27.0	17.6			7.0		14.9	17.5	4.3	14.0	24.4	12.2
	S. D.	5.863	6.532			1		5.878	10.170	13.920	6.936	5.326	17.548
	TOTAL OBS	155	77			1		10	74	116	120	123	676
12	MEAN	27.9	15.9	.6	7.7	8.1	11.9	14.7	14.3	4.0	14.9	25.7	1.6
	S. D.	5.837	8.360	9.312	9.090	10.858	12.396	12.442	10.230	11.973	6.820	5.498	18.219
	TOTAL OBS	155	113	124	120	124	120	124	120	124	120	124	1492
15	MEAN	28.7	18.9			5.0		13.0	16.0	2.5	15.4	26.2	13.9
	S. D.	5.624	6.385			1		8.801	8.805	11.958	6.848	5.428	17.189
	TOTAL OBS	155	77			1		12	72	116	120	123	676
18	MEAN	29.1	16.0	.3	7.4	7.5	11.3	14.9	13.9	2.9	15.8	26.7	2.1
	S. D.	5.749	8.647	9.844	9.127	11.053	12.314	12.789	11.407	12.511	7.742	5.734	18.598
	TOTAL OBS	155	113	124	119	124	119	124	120	124	120	124	1490
21	MEAN	28.5	18.3			7.0		11.7	16.6	4.3	14.7	25.9	13.1
	S. D.	5.929	6.547			1		4.716	9.199	12.250	7.629	5.626	17.627
	TOTAL OBS	155	77			1		12	73	116	120	122	676
ALL HOURS	MEAN	27.8	16.4	1.1	7.1	7.8	11.6	14.2	15.3	4.6	14.0	25.1	5.0
	S. D.	5.890	7.593	9.526	9.205	10.833	12.278	12.197	10.413	12.533	7.447	5.565	18.629
	TOTAL OBS	1240	760	496	479	499	477	496	535	770	959	987	8657

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73.76

MC MURDO STATION, ANTARCTICA

87601

YEARS

STATION NAME

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
03	MEAN S. D. TOTAL OBS										10.0 1		10.0 1
06	MEAN S. D. TOTAL OBS										10.0 1		10.0 1
21	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
ALL HOURS	MEAN S. D. TOTAL OBS										14.0 2		14.0 2

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
06	MEAN S. D. TOTAL OBS										17.0		17.0
21	MEAN S. D. TOTAL OBS										1		1
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
	MEAN S. D. TOTAL OBS												
ALL HOURS	MEAN S. D. TOTAL OBS										17.0		17.0

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FEB
MONTH

STATION NAME

PERIOD

[illegible]

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RELATIVE HUMIDITY

87601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

PERIOD

MAR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

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STATION

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5706 RELATIVE HUMIDITY JAN 68

MC MURDO STATION, ANTARCTICA

87401
STATION

STATION NAME

PERIOD

MONTH

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

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5706 RELATIVE HUMIDITY JAN 68

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MC MURDO STATION, ANTARCTICA

STATION NAME

AUG
MONTH

MONTH

PERIOD

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

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RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

87601 MC MURDO STATION, ANTARCTICA

STATION NAME

PERIOD

MONTH
OCT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

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87601 STATION NAME MC MURDO STATION, ANTARCTICA PERIOD 73 ALL MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%	
JAN	ALL										
FEB											
MAR											
APR											
MAY											
JUN											
JUL											
AUG											
SEP											
OCT											
NOV		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
DEC											
TOTALS		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

87601 STATION NAME MC MURDO STATION, ANTARCTICA JAN 73 - DEC 77 MONTH JANUARY ALL HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41	10.4	2.1	22.9	6.3	8.3	6.3	4.2	8.3	31.3	2	.2
32 TO 36	21.1	6.2	26.3	13.3	2.3	1.6	2.6	8.8	17.9	48	3.9
27 TO 31	17.5	4.7	37.1	12.5	6.6	.7	1.9	7.3	11.6	308	24.8
22 TO 26	3.6	1.4	55.9	21.7	4.3	.7	1.1	1.8	9.6	423	34.1
17 TO 21		3.4	61.5	20.5	7.7	.9	1.7		4.3	281	22.7
12 TO 16		2.0	78.4	19.6						117	9.4
7 TO 11			50.0	50.0						51	4.1
2 TO 6										10	.8
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	12.4	4.0	42.2	15.9	4.8	1.1	1.9	5.4	12.3	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

R7601
STATION

MC MURDO STATION, ANTARCTICA
STATION NAME

WIND DIRECTION

JAN 73 - DEC 77
YEARS

FEBRUARY
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31	26.1	8.7	15.9	7.2	1.4	50.0	1.4	50.0	24.6	2	.3
22 TO 26	13.6	13.6	29.3	17.1	7.9	1.4	.7	14.5	24.6	69	9.1
17 TO 21	1.1	8.0	44.6	21.1	9.7	2.3		2.1	14.3	140	18.5
12 TO 16		1.8	57.1	25.8	11.7	.6		1.7	11.4	175	23.2
7 TO 11		5.1	72.6	14.5	2.6	.9			3.1	163	21.6
2 TO 6		4.4	70.6	20.6	2.9				4.3	117	15.5
-3 TO 1			58.8	41.2					1.5	66	9.0
-8 TO -4			100.0							17	2.3
-13 TO -9										4	.5
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.2	6.8	49.0	19.3	7.0	1.2	.3	2.3	9.0	755	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION NAME MC MURDO STATION, ANTARCTICA MONTH MARCH HOURS (L.S.T.) ALL

STATION 87601

YEARS JAN 73 - DEC 77

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26	20.0	60.0	20.0	20.0	20.0					5	1.0
17 TO 21	20.0	20.0	30.0	20.0	10.0					10	2.0
12 TO 16	16.1	32.3	32.3	12.9	19.4	3.2			16.1	31	6.3
7 TO 11	2.9	8.7	36.2	31.9	7.2	4.3		1.4	7.2	69	13.9
2 TO 6	2.3	3.8	58.8	23.8	8.8				2.3	80	16.1
-3 TO 1	2.3	5.7	55.2	16.1	4.6	3.4	3.4	3.4	5.7	87	17.5
-8 TO -4	2.9	1.0	65.0	22.3	2.9		1.9	1.0	2.9	103	20.8
-13 TO -9	1.7	1.7	43.1	37.9	3.4	1.7	3.4		6.9	58	11.7
-18 TO -14	2.5	5.0	67.5	15.0	2.5		2.5		5.0	40	8.1
-23 TO -19			90.9	9.1						11	2.2
-28 TO -24			50.0	50.0						2	.4
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.8	4.0	53.6	23.0	6.0	1.6	1.6	1.6	5.2	496	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

87601
STATION

MC MURDO STATION, ANTARCTICA

JAN 73 - DEC 77

STATION NAME

YEARS

APRIL

MONTH

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21	5.9		29.4	11.8	100.0				5.9	2	.4
12 TO 16	12.5		25.0	25.0	47.1				4.2	17	3.5
7 TO 11					33.3					24	5.0
2 TO 6	6.0	4.0	28.0	28.0	24.0		2.0	4.0	4.0	50	10.4
-3 TO 1	7.1	3.6	46.4	23.2	3.6			3.6	12.5	56	11.7
-8 TO -4	11.9	6.9	41.6	14.9	1.0	2.0	1.0	4.0	16.8	101	21.1
-13 TO -9	8.2	5.1	40.8	14.3	3.1	4.1		3.1	21.4	98	20.5
-18 TO -14	5.7	5.7	56.8	10.2	1.1			1.1	19.3	88	18.4
-23 TO -19	2.7	5.4	67.6	2.7					21.6	37	7.7
-28 TO -24			66.7		16.7				16.7	6	1.3
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.7	4.0	44.3	15.4	7.9	1.3	.4	2.5	15.7	479	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

87601
STATION

MC MURDO STATION, ANTARCTICA

STATION NAME

JAN 73 - DEC 77

YEARS

MAY

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26			75.0		25.0					4	.8
17 TO 21			33.3		66.7					3	.6
12 TO 16	25.0	6.3	31.3		25.0	6.3		6.3		16	3.2
7 TO 11	3.7	18.5	40.7	3.7	18.5				14.8	27	5.4
2 TO 6	5.0		62.5	20.0	5.0	2.5		2.5	2.5	40	8.0
-3 TO 1	7.8	1.6	42.2	17.2	7.8	1.6		4.7	17.2	64	12.8
-8 TO -4	5.6	8.3	43.8	13.0	8.3		.9	.9	19.4	108	21.6
-13 TO -9	2.0	2.0	57.1	10.2	4.1			3.1	21.4	98	19.6
-18 TO -14	1.3	5.1	62.8	6.4	2.6			1.3	20.5	78	15.6
-23 TO -19	9.1	9.1	54.5	9.1		4.3		4.3	9.1	22	4.4
-28 TO -24		5.3	89.5						5.3	19	3.8
-33 TO -29		6.7	60.0						13.3	15	3.0
-38 TO -34		25.0	75.0							4	.8
-43 TO -39			100.0							1	.2
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.6	5.4	53.9	10.2	6.8	.8	.2	2.2	15.8	699	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

87601
STATION

MC MURDO STATION, ANTARCTICA

JAN 73 - DEC 77

JUNE

ALL

HOURS 11.5.7.1

MONTH

YEARS

STATION NAME

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31			100.0							1	.2
22 TO 26											
17 TO 21											
12 TO 16			22.2	22.2	55.6					9	1.9
7 TO 11			37.0	33.3	29.6					27	5.7
2 TO 6	2.5		37.5	22.5	20.0	2.5			15.0	40	8.4
-3 TO 1	1.9	7.4	50.0	24.1	7.4	1.9	1.9		5.6	54	11.3
-8 TO -4	5.6	2.8	31.9	31.9	16.7		1.4		9.7	72	15.1
-13 TO -9	6.0	6.0	40.0	22.0	10.0	1.0			15.0	100	21.0
-18 TO -14		5.5	32.9	30.1	8.2	2.7	1.4		19.2	73	15.3
-23 TO -19	4.3	4.3	47.8	17.4	4.3				21.7	46	9.6
-28 TO -24		3.1	40.6	12.5	6.3				37.5	32	6.7
-33 TO -29		10.0	30.0	10.0	10.0			10.0	30.0	10	2.1
-38 TO -34			44.4		11.1				44.4	9	1.9
-43 TO -39			66.7						33.3	3	.6
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	2.9	4.2	39.0	23.7	12.4	1.0	.6	.2	15.7	477	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

87601
STATION

MC MURDO STATION, ANTARCTICA

JAN 73 - DEC 77

JULY

ALL

HOURS (L.S.T.)

STATION NAME

YEARS

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	4.5	5.0	31.9	25.0	14.3	3.2	.4	.8	14.7	496	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION

MC MURDO STATION, ANTARCTICA

JAN 73 - DEC 77

MONTH

AUGUST

HOURS (L.S.T.)

STATION NAME

YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21	100.0									100.0	1
12 TO 16			33.3	33.3		16.7	16.7				1
7 TO 11	14.3		28.6	7.1	21.4	7.1	7.1	7.1	7.1	14	6
2 TO 6	3.4	6.9	48.3	17.2	20.7			3.4		29	29
-3 TO 1		4.1	44.9	12.2	26.5	2.0	2.0		8.2	49	49
-8 TO -4	4.3	5.8	39.1	23.2	11.6	1.4	2.9		11.6	69	69
-13 TO -9	6.0	4.8	48.8	16.7	6.0	3.6		1.2	13.1	84	84
-18 TO -14	11.0	7.0	50.0	4.0	7.0	2.0		3.0	16.0	100	100
-23 TO -19	12.9	4.3	42.9	11.4	5.7			5.7	17.1	70	70
-28 TO -24	10.7	3.6	48.2	10.7	5.4			1.8	19.6	56	56
-33 TO -29		12.5	41.7	12.5	4.2	4.2			25.0	24	24
-38 TO -34		7.1	57.1	7.1					28.6	14	14
-43 TO -39		20.0	20.0	30.0	10.0		10.0		10.0	10	10
-48 TO -44				83.3					16.7	6	6
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.1	5.6	44.4	13.7	9.7	1.9	1.1	2.1	14.4	334	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

87601
STATION

MC MURDO STATION, ANTARCTICA

JAN 73 - DEC 77
YEARS

SEPTEMBER
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41					100.0					1	.1
32 TO 36											
27 TO 31											
22 TO 26	100.0									1	.1
17 TO 21											
12 TO 16											
7 TO 11	5.6	5.6	38.9	16.7	27.8	5.6				18	2.3
2 TO 6	9.5	4.8	28.6	19.0	35.7	2.4				42	5.5
-3 TO 1	15.9	2.3	29.5	18.2	15.9	13.6			4.5	44	5.7
-8 TO -4	6.5	4.3	43.5	21.7	13.0	3.3			7.6	92	11.9
-13 TO -9	11.0	13.0	32.0	14.0	9.0			2.0	19.0	100	13.0
-18 TO -14	9.5	6.8	34.5	16.9	6.1	.7		3.4	22.3	148	19.2
-23 TO -19	5.4	4.7	45.6	13.4	4.0	.7	.7	.7	24.8	149	19.4
-28 TO -24	4.5	4.5	33.6	25.5	3.6				28.2	110	14.3
-33 TO -29	3.8	5.8	21.2	30.8					38.5	52	6.8
-38 TO -34			50.0	25.0	8.3				16.7	12	1.6
-43 TO -39									100.0	1	.1
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.5	6.1	36.0	18.8	9.0	1.7	.1	1.0	19.7	770	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

87601
STATION

MC MURDO STATION, ANTARCTICA

JAN 73 - DEC 77
YEARS

OCTOBER

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26	7.1		7.1	21.4	100.0	7.1		7.1		2	.2
17 TO 21	13.0	1.3	22.1	14.3	32.5	7.8	2.6	2.6	3.9	14	1.5
12 TO 16	3.0	2.0	30.0	28.0	25.0	3.0	2.0	1.0	6.0	77	8.0
7 TO 11	.6	3.0	26.7	23.1	14.2	4.1	1.8	.6	16.0	100	10.4
2 TO 6	7.1	3.9	38.6	19.7	7.1	.8	1.6	3.1	18.1	169	17.6
-3 TO 1	12.2	2.0	35.7	22.4	5.1	1.0	2.0	1.0	18.4	127	13.2
-8 TO -4	4.6	4.6	34.3	23.1	10.2		2.8	2.8	17.6	98	10.2
-13 TO -9	12.7	9.8	30.4	18.6	2.9	1.0	1.0	1.0	22.5	108	11.3
-18 TO -14	19.1	8.6	23.7	9.7	2.2		4.3	5.4	31.2	102	10.6
-23 TO -19	5.6	25.0	33.3	8.3			1.9	3.7	27.8	93	9.7
-28 TO -24			100.0						33.3	54	5.6
-33 TO -29			100.0							12	1.3
-38 TO -34			100.0							2	.2
-43 TO -39										1	.1
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.4	4.8	31.8	20.4	11.8	2.1	2.1	2.2	17.4	959	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

87601
STATION

MC MURDO STATION, ANTARCTICA

JAN 73 - DEC 77

NOVEMBER

ALL

MONTH

YEARS

STATION NAME

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31	39.1	8.7	13.0			8.7		13.0	17.4	23	2.4
22 TO 26	28.9	6.6	24.0	6.6	.8	.8	3.3	14.9	14.0	121	12.7
17 TO 21	14.6	2.4	34.6	13.0	11.0	3.7	2.0	7.7	11.0	246	25.7
12 TO 16	7.8	5.9	46.3	15.3	12.2	.4	1.2	3.5	7.5	255	26.7
7 TO 11	5.9	3.3	52.0	13.2	11.2	2.0	1.3	2.0	9.2	152	15.9
2 TO 6	14.4	7.8	36.7	11.1	6.7	2.2	6.7	3.3	11.1	90	9.4
-3 TO 1	9.6	1.9	40.4	23.1	9.6			7.7	7.7	52	5.4
-8 TO -4			46.7	46.7				6.7		15	1.6
-13 TO -9			50.0	50.0						2	.2
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.3	4.6	39.3	13.5	9.1	1.9	2.1	6.3	9.9	956	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

STATION NAME **MC MURDO STATION, ANTARCTICA** WIND DIRECTION **JAN 73 - DEC 77** MONTH **DECEMBER** ALL HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41	12.5	62.5	12.5						12.5	16	1.6
32 TO 36	24.1	5.2	27.6	9.5	8.6	.9	6.0	6.9	11.2	116	11.8
27 TO 31	26.6	2.6	22.6	11.7	5.8	1.8	4.7	12.4	11.7	274	27.8
22 TO 26	19.4	2.5	39.5	12.7	4.5	1.3	3.5	4.8	11.8	314	31.9
17 TO 21	9.2	1.9	56.8	22.8	4.4	.5	1.5	1.9	1.0	206	20.9
12 TO 16		2.0	60.0	16.0				2.0		50	5.1
7 TO 11			66.7	22.2	11.1					9	.9
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	18.6	2.8	39.7	14.6	5.1	1.1	3.5	6.3	8.7	985	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

87601
STATION

MC MURDO STATION, ANTARCTICA

JAN 73 - DEC 77

ALL
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

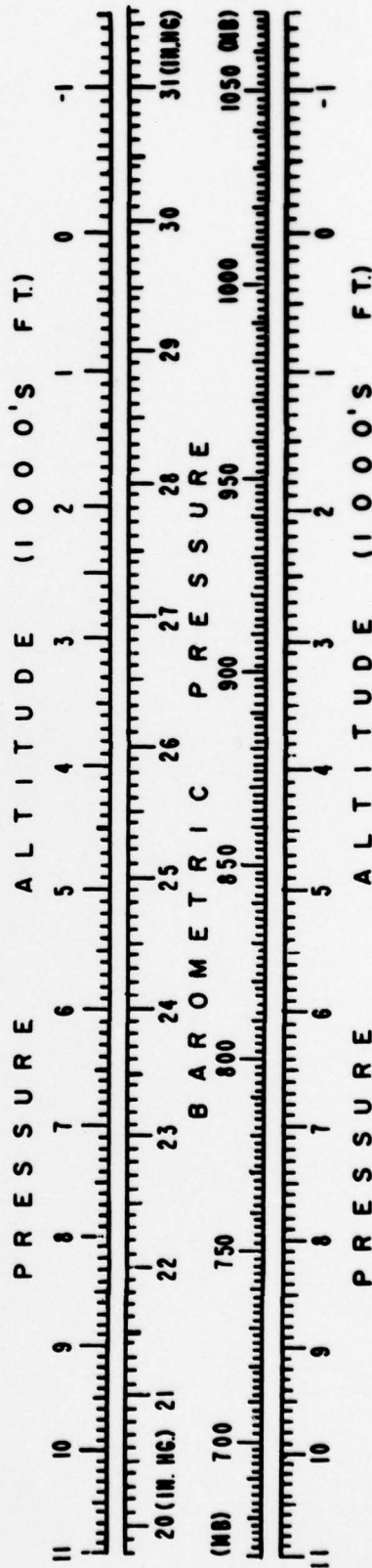
TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41	7.7	4.6	32.3	7.7	7.7	4.6	3.1	6.2	100.0	2	.0
32 TO 36	21.8	5.9	26.5	12.2	4.0	1.6	3.5	8.5	26.2	65	.8
27 TO 31	22.0	4.4	29.6	11.4	5.7	1.3	2.8	9.9	16.0	426	4.9
22 TO 26	14.5	4.6	41.1	15.3	4.8	1.0	2.2	4.7	13.0	791	9.1
17 TO 21	7.9	3.9	46.1	18.7	9.7	2.1	1.3	3.5	11.6	868	10.0
12 TO 16	5.9	3.4	49.3	17.6	14.6	1.6	.9	1.9	7.0	775	9.0
7 TO 11	3.7	4.5	46.2	19.9	15.6	2.2	.8	1.0	4.9	680	7.9
2 TO 6	4.6	3.7	42.6	20.8	14.5	2.8	1.5	1.2	8.2	597	6.9
-3 TO 1	5.7	4.2	43.5	20.0	9.5	2.3	1.5	2.7	10.7	600	6.9
-8 TO -4	6.8	3.9	42.8	22.1	8.8	1.2	1.2	1.3	11.8	747	8.6
-13 TO -9	5.8	5.8	41.2	19.6	6.9	1.8	.7	1.7	16.5	721	8.3
-18 TO -14	6.8	6.5	44.9	14.6	4.5	1.0	.4	1.7	19.5	691	8.0
-23 TO -19	8.4	5.9	42.7	12.1	4.0	.6	1.0	2.3	23.0	478	5.5
-28 TO -24	5.1	4.8	39.9	21.3	4.2		.3	1.2	23.1	333	3.9
-33 TO -29	1.4	8.6	32.9	22.1	2.9	.7		.7	30.7	140	1.6
-38 TO -34		5.3	42.1	15.8	7.0				29.8	57	.7
-43 TO -39		15.8	31.6	21.1	5.3		5.3		21.1	19	.2
-48 TO -44				83.3					16.7	6	.1
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.1	4.7	41.3	17.4	8.3	1.5	1.4	3.2	13.0	8646	100.0

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

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STATION PRESSURE IN INCHES HG FROM MOURLY OBSERVATIONS

73-77

MC MURDO STATION, ANTARCTICA

87601

HRS.(L.S.T.)	STATION NAME												ANNUAL
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
00	MEAN	29.380	29.140	29.095	29.083	29.309	29.307	29.209	29.106	29.926	29.143	29.328	29.167
	S. D.	.193	.233	.212	.216	.279	.311	.278	.388	.291	.269	.279	.304
	TOTAL OBS	155	112	124	120	124	119	124	124	120	120	124	1490
03	MEAN	29.372	29.124		29.590			28.880	28.888	28.941	29.143	29.325	29.164
	S. D.	.194	.235					.251	.263	.228	.271	.277	.303
	TOTAL OBS	155	78		1			6	71	115	119	123	668
06	MEAN	29.374	29.137	29.094	29.084	29.307	29.304	29.212	29.113	29.924	29.144	29.323	29.167
	S. D.	.196	.229	.208	.217	.281	.314	.274	.401	.299	.277	.277	.306
	TOTAL OBS	155	113	124	120	124	119	124	123	120	120	124	1490
09	MEAN	29.378	29.130		29.720			29.162	29.910	29.947	29.150	29.331	29.173
	S. D.	.197	.234					.397	.261	.230	.276	.277	.303
	TOTAL OBS	155	77		1			10	74	116	120	123	676
12	MEAN	29.378	29.146	29.108	29.093	29.312	29.304	29.200	29.115	29.922	29.153	29.329	29.171
	S. D.	.198	.231	.225	.214	.286	.309	.278	.387	.284	.275	.277	.304
	TOTAL OBS	155	113	124	120	124	120	124	124	120	120	124	1492
15	MEAN	29.371	29.131		29.200			29.169	29.902	29.945	29.148	29.327	29.169
	S. D.	.199	.234					.366	.267	.220	.276	.278	.302
	TOTAL OBS	155	77		1			12	72	116	120	123	676
18	MEAN	29.368	29.148	29.094	29.087	29.311	29.302	29.187	29.119	29.911	29.150	29.322	29.165
	S. D.	.200	.234	.213	.222	.287	.306	.282	.395	.289	.278	.277	.306
	TOTAL OBS	155	113	124	120	124	119	124	124	120	120	124	1491
21	MEAN	29.369	29.133		29.380			29.183	29.894	29.944	29.152	29.332	29.170
	S. D.	.204	.234					.372	.271	.218	.279	.275	.304
	TOTAL OBS	155	77		1			12	73	116	120	122	676
ALL HOURS	MEAN	29.374	29.137	29.098	29.087	29.311	29.304	29.202	29.114	29.912	29.148	29.327	29.168
	S. D.	.197	.232	.214	.216	.282	.309	.277	.389	.280	.274	.276	.304
	TOTAL OBS	1240	760	496	480	500	477	496	535	770	959	987	8659

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

73-77

MC MURDO STATION, ANTARCTICA

87601

HRS.(L.S.T.)	STATION NAME												ANNUAL
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
00	MEAN	999.0	990.9	989.4	989.0	996.6	996.5	993.1	990.1	983.4	983.6	990.9	991.8
	S. D.	6.525	7.872	7.156	7.434	9.420	10.543	9.327	12.950	9.879	7.535	9.072	10.272
	TOTAL OBS	155	112	124	120	124	119	124	124	120	124	120	1490
03	MEAN	998.7	990.3		1006.0			982.1	982.3	984.1	991.0	997.1	991.7
	S. D.	6.575	7.960					8.471	8.912	7.720	9.107	9.364	10.232
	TOTAL OBS	155	78		1			6	71	115	119	123	668
06	MEAN	998.8	990.7	989.3	988.9	996.5	996.5	993.1	989.5	984.2	983.7	990.9	991.8
	S. D.	6.615	7.728	7.026	7.284	9.498	10.658	9.264	13.404	13.108	7.817	9.324	10.564
	TOTAL OBS	155	113	124	120	124	119	124	123	120	124	120	1490
09	MEAN	998.9	990.5		1010.2			991.7	984.4	984.3	991.2	997.3	992.1
	S. D.	6.677	7.942					13.424	14.360	7.778	9.335	9.346	10.809
	TOTAL OBS	155	77		1			10	74	116	120	123	676
12	MEAN	998.9	991.1	989.5	989.2	996.7	996.4	993.0	990.0	983.4	984.0	991.3	991.9
	S. D.	6.708	7.788	7.223	7.309	9.702	10.498	9.497	13.082	9.674	7.691	9.303	10.296
	TOTAL OBS	155	113	124	120	124	120	124	124	120	124	120	1492
15	MEAN	998.7	990.7		992.8			992.0	982.8	984.3	991.1	997.1	991.8
	S. D.	6.751	7.966					12.571	9.069	7.399	9.312	9.386	10.191
	TOTAL OBS	155	77		1			12	72	116	120	123	676
18	MEAN	998.6	990.8	989.4	989.1	996.7	996.4	992.6	989.8	983.1	983.6	991.2	991.7
	S. D.	6.790	7.680	7.227	7.547	9.705	10.376	9.459	13.108	9.786	7.527	9.387	10.319
	TOTAL OBS	155	113	124	120	124	119	124	124	120	124	120	1491
21	MEAN	998.6	990.7		999.0			992.4	982.5	985.1	991.2	997.3	992.0
	S. D.	6.883	7.897					12.639	9.189	10.354	9.422	9.279	10.596
	TOTAL OBS	155	77		1			12	73	116	120	122	676
ALL HOURS	MEAN	998.8	990.8	989.4	989.1	996.7	996.4	992.9	989.9	983.3	984.1	991.1	991.8
	S. D.	6.674	7.805	7.137	7.372	9.546	10.486	9.360	13.037	10.664	8.001	9.251	10.390
	TOTAL OBS	1240	760	496	480	500	477	496	535	770	959	959	8659